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360ttgcagtgag cagagatcac accactgcac tccagcctgg gcaan

405

<210> 1853<211> 406<212> DNA<213> Homo sapien

ggcacgaggg agcaaaggct ttttggagtt tgaggctgca tctgctggag caaagggaaa
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120ttctccaagc cagaggagc tttctcagag ccccttgggt gatctgtcct acacctgtg
180ctgacgagag cggacttcca gctctaacag accagtgcgt ctaccctcat atgcaagtcc
240tggttaggaa gagtgaagtgc tgcctatctt atgaccgcc tgcctattgg ntgactgcat
300tctaggatga gtttctttag agggagctcg aattcctcct ggtattatcc cctgcccc
360ttagccaggc gtatattcga tgtccccacg ttatgtcttt acacac

406

<210> 1854<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggattctcat aaggagcatg caacctagat ctcttgaca tgcggatcac
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120tcaggcagga atgcttgga cggccccca cggccccca ctttctatgc agccccgtcg
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240aatcaacaca ttgcttcctt tatcaaagaa gtcttgttat ttaaaaaag tcaactgagc
300cagtatgatt agtgatgtaa ttgatttca ttctggcaca agcctcttct attctggaca
360gtcacaaat agttaatgga ccatgctttg aatagccttc ctctaacc

408

<210> 1855<211> 396<212> DNA<213> Homo sapien

ggcacgagge catattggcc aggtggtct cgaactcctg acctcaagt atccaccac
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120tatgtcttaa gtgtttcaaa gttataagca ttttctggt gggatgtcca ttttggaggg
180atccattttg atcctttgtc ctctataatg tgaactttcc cctgttccaa cacttaaaag
240agaattatta gcacataatc taaaagatgg aattttttt ttcttgagac agagtctcgc
300tctgtcgcca ggtggagtg cagtggcgcg atcttggctc actgcaacct ctgctcctg
360gggtttaagcg attctcctgc ctcagcctct ggagta

396

<210> 1856<211> 402<212> DNA<213> Homo sapien

ggcacgagac aataatgttc tgaatccttc ctgttcagtc tgctttctta attcatttct
60ccatgtcatc aagaggttgg ataacttatt tctaagctca aggttaaaaa tcatgtcacc
120ttttttttt tttcccccac cccaacccta aaaaaattgg caatggggaa agaaccagga
180ccctaagggg ggggcgaaaa aaagccacc caacccttgg gcctttcaaa aaaccccgct
240ttccattttt ttatcctta acccctcccc caaacttaac aaaagggggg ggggcctgga
300tgcaaaaaaa aaaccgtgaa aaaaagccta aggcgcggaa accggaccat taatggccgg
360gttaaaccta accggggccc ttttaagttg gttttaacag cg

402

<210> 1857<211> 394<212> DNA<213> Homo sapien

tgattttcga ggcaaatggg taatcctcat cctgtttcta atgtccaggg tgctgtcagc
60ctaacttct tctatagtga gatagatag ttcagagcct tcaagctggg gtggacactg
120accgctgaa ccagtctgc agagttagga acaccagcaa tttttttga gacagtttcg

180atctgttgcc aagcgggagc gcattggccc aatctcgcct cactgcaagc tctgctccc
240gggttcgagt agtttgcctg cctcagcctc ccgagtagct gggactacag gtgcttgcca
300ccatgcctgg ctaatttttg tatgtttaag aaagacaggg tttcaccatg ttggccagga
360tggcctcaaa cttctgatct caagtgatcc accn

394

<210> 1858<211> 402<212> DNA<213> Homo sapien

ggcacgaggg aagattaatt tatccttgtg cagccctgag atcaggaagg aggacaggcc
60aggagatggt tctactccag gcaccactaa ggactctatt tcaaaggcag atcctgctcc
120ttagtctttt tagatctgaa tctaactctg aatccacaaa attatcctat gaattctggt
180ttatcaacgc acatgattcc tggcaccatt gcatagcttc aaggtaaaag agagccttgt
240ttccattatt ttgctatggt ggcttttggg aagacagaga gcattctttt gaaagcggga
300aacttaagga aaagttggcc aagtacacag gaaagttcta ccacacctta atatagagaa
360caaatagat gcttctcatt tggggaaagt agctaagagg ac

402

<210> 1859<211> 159<212> DNA<213> Homo sapien

gacacatcaa ttgtcaataa atcaaggcac actgcactgg acattgctgt attttgggggt
60tataagcgtā tagctaattt actaactact gctaaagggt ggaagaagcc ttggttcccta
120gcgaatgaag ggaagaatg tgacaattat tttagcaag

159

<210> 1860<211> 403<212> DNA<213> Homo sapien

cggttgcgtc gcaaagatct gaaccagctg attaccatct tggtcacttg agaactcagg
60tctgtccaat aaacacccta atccaagggt gtgttaaata catatatata tatttttact
120ttacgtttat ttattttgaa aaatttcaaa cctatagaaa aattgaggca gtaccatagt
180cttagtccat tttccattac ttagaatatc caaaagttag taatttataa agaaaattaa
240tttatttctt acagctatgg aggccaaagg ctagggggaca tatctggtca gcgctttgcc
300atgttgggtca ggctggtctc gaactcctga cctcaaggcc tgccttggcc tcccaaagtg
360ctgggattac aggcataagc caccgtgccc agccacctct gag

403

<210> 1861<211> 402<212> DNA<213> Homo sapien

ggcacgaggg cctttgcaac cactgatggg aggaacagag agcagcattt cagaaccagg
60ttctccttcg aggaacagag aaaatgaaac cagcagacag aatttgcag atggaatttc
120actcttggtg ccagggtggt agtgcaatgt cgcgatcttg gctcactgca acctccacct
180ccccgggttca agcgattctc ctgccccagc ctcccgagta gctgggatta caagcacctg
240ccaccatgcc agagtaattt ttgtattttt agtagagatg gggttttcgcc atgttgccca
300gactgggtctc aaacccctga cctcagatga ttcattccacc tcggcctccc aaagtgcctg
360gattacaggc atgagccacc aggcctggcc cattctgtct tc

402

<210> 1862<211> 440<212> DNA<213> Homo sapien

cggttgcgtc ggaacttta ttaagtgaac ttaacctgag ataaaaattt ctattgacta
60gaaatcccag tctatttcag atctccccct ccaatctcct atatgtagaa gtgtgacttt
120tgactttgat atttttccct tatgggtgga gttcattttc ctctcagagt aatgtcatct
180gtttttcttaa aggcccttct tagataccga aatttacaaa ccattaaata aattgagagc
240ctgaaaaagt tgtacttgtg acaaagcctc tcaactgacac ctacagaaca gcctcctctg
300ctattgagtc acttgaccgg gatctgtatc tcctcacaaa gctactatcc aggcctattt
360tagggctctg ggacctctgc tgagatcact cgtaatatata gtcattgtctc atgtgccage
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440

<210> 1863<211> 413<212> DNA<213> Homo sapien

ggcacgaggt ggcttcgcct ttgaccttta tgctggtctc ggctgaggtg acacgctagt
60gacagcccaa taggggggtta cccttattga gtaaaatact tcagattgac agctcaatct
120tagtttgcct ccagttatc ttttatgctt agggattaaa tgtgtggttt ttttttgggt
180tttttttttg gaaacggagt ctgccttgt caccaggtt ggagtgcagg ggcgcgatct
240cgggttaattg aaacctctgc ctccggggtt caaacgattt tcctgcctca cctcccaag
300aagctgggat tataggcccc caccaccatg cctggctgat tttttatttt tagaaaagat
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413

<210> 1864<211> 408<212> DNA<213> Homo sapien

cactccttgg ctatctcaat ccatttccct ggatcctgaa tcaataggaa cgtgttacaa
60tggttgctca ttcttgcttg cttttaagta ttttgaataa gctaggcaat taaaaaaat
120tttttaagag tgcttcataa gatgaatgga aggttaagtt gctgactaat attcttggat
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240ttctcatatg agagtaatat ataaattttg agttatagga ggcataaata ttttcattac
300attttccgta agtcctttta gaagagtgtc ttctatttca gacattgttg acctgaaaa
360ctcttaaaat ctgtctgccca tcctgtggta gtgatggcct cacacagg
408

<210> 1865<211> 389<212> DNA<213> Homo sapien

gtttggaggg caaggccggt tgattccttg tcgctaggag ctcaagacca gcctgggcaa
60tatagcaaga ttctatctct aaaaaagaaa gaaaacattg gctgtgcatg gtggctcatt
120cctatagtgc aggctactga ggagcctgat gtaggaggat cacgtgaccc cagtagtttg
180aggctgcagt gagctatgat cctaacactg ttctccagcc tgggtgacac accatgttga
240catctcttcg aaaaaggaat ctacagacat cagtgtgtgc acaagcatgg cttgtgaatt
300tggaagtgtg tatgtgcgta gctgtgctca agaattgtgt gatgattata cttctcaga
360atgaaggtaa ttattttttt ctttttttn
389

<210> 1866<211> 398<212> DNA<213> Homo sapien

ggcacgaggt ttaaagtttt aaaaaaactt ccaagattat ggataagccg gatttctctc
60atgcttatga ttagggagtt aggatttaaa gatgcaaagc agaaggactg aaaggaatag
120ccagtgaata tgtttcagtg ggggaggtgt gaaagctttt ctaataataa tcgttgctat
180ggcctgtgac tgcttattct ttatcaatga gaactacca aactagttct tttcttgatc
240tgaggaacca cacagctcac atgagaatat actactggga ctagggtgac ttcactccct
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360ttgttttccc atgtataaaa atgatgtgtt ggataatt
398

<210> 1867<211> 410<212> DNA<213> Homo sapien

cgttgctgtc gaaactgccca cggccacgag gagtctaagg acacatccaa tttccattcg
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120atgaagcttc ttctggtttg aaacttgctc aatttcatca ggtaagaagt gctaaagtga
180acctgtaaac ttgtttcaa aaaacaaaaa ccgaagttaa agaaatctaa agatgggtgc
240agccttagac agatctcttg actgtaatct gggaaagggtc aaataagatc tccaatcgtg
300tacaattcca aatacatatt agagcagtggt gtctgaaaat gtggttccca gaccagcagc
360atcaacacca tgaaggaagt tgtaaaaaat gcaaattctc aggtctctcn
410

<210> 1868<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggattcttta atattcttac tttcataaat agtgtttagt tgaaggtaat
60tgattcatga ggaatatttt ccacatgttt ttctgcattg ggggaacatg ttcatatagc
120acattatttaa gactgctggc caggcgcggt ggctcacgcc tgtaatcccà gcaccctgga
180aggccaaagc aagtggatca ctttaggtca ggaattcaag accagcctgg ccaacatggt
240gaaacccac ctctactaaa aatacaaaaa ttatccgggg gtggtgactc atgtacctgt
300aattccagct acttgggagg ctgagacatg ataactactt gtaccagggg agcggaggtt
360gcagtgaact gagatcctgt cactgtt
387

<210> 1869<211> 405<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt gagttagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga cccccctctt tctctcgccc cctgtgttt tttttttgt
180gtcaccccc cccccctctt atgtgtggtt ctatgtgttt ttaccccc cccccctctt
240ctcttttgtg tctctcacac aaaatgtgtg ctcttttctc tctctctcac ccacataaa
300gatatttatg ttccctctct tttctttctc tcgcgcgccc ccgcgcgct tttctctct
360ctctctctc gcgcgccaca tctctctctc tctccccgcg ggggc
405

<210> 1870<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gcctactggt actttgtatt taagatgata gtccaggtgc tcaggccact

60ttaagattg ctctaaactg tatggtgaag ttggccaagg gcaggcccca tcttagccag
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240gggtgacctca tggagctgta caaggtgatt ggacgatcag ccacagacaa gcaacaagaa
300cttctggtga gtttggttac tgtgattttt gttgcaagtc ataaggcatt gtctgtggaa
360agtaaggcag taattaagca gcagcttgaa agtgtctcca atg

403

<210> 1871<211> 401<212> DNA<213> Homo sapien

atcggcacga gattttatat gaccataatg tttgtgtgtg tttgcacct tcagccctt
60gttatttggtc cgtatattac ctgtaagcag atactgtatt ttattttagc ctatttgaca
120gaacacatca ctcaaaaaa gtgaagtttc agagcaaaaca gtgaagaaat cagtgtgatt
180gtagacaaaa agtcagttta cagaacggag cagcggggag aggaagggaa aagcttcata
240gtttggtgct tatcacatca agagattggt aaatttttga tgaagacag gctaattggg
300ctctgaaatg gaacaactcc tttaaacgtg cagccttttg aatttttctt cacaaccaag
360aagttgacct ctgagctgtc aggtgaccac tgtgtgcaaa g

401

<210> 1872<211> 385<212> DNA<213> Homo sapien

gcacgaggtg acgtggtcat agctcactgc agcctcaacc tctgggctc aagtgacct
60cctgcctcag cctcccaaag ttctgagatg ataggcatga gccattgtgc ctgacctatt
120ttgatttttt tcttaaagtc aaggtcttgc tctgttgccc aggtgatct tggacttgcc
180agccaccatg cctggctggg tttttacaa atagaatctc actgatagcc tgcaggagac
240agatgcagcg cctgcttccg tatcagtcac-aggagccctc gtgtttgcca cctttacctt
300tgaacctccc cctgctccc tgcctgtgtc cgcttttgca gctcaatgag gccatgacaa
360ggagagaaaa gacactggaa ggccc

385

<210> 1873<211> 404<212> DNA<213> Homo sapien

ccggtgctgg cggatcttct ctaatatattt atttgccaca ggctttattt tgaatatgct
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120atgccttttt ataaagcctg tgcatttagg taggttgaag ctaggaggat tttctttata
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240atttttatgg ggaagacaag tgagtcacaa acattctgtt gaagggaat ctaaccagat
300gcttgaaaga gcacagccca aataaaacaa ggactgacta ggtgtaatga aataacctgt
360gattaaaaag aagagctgca gctttgacag tgcttattta aaga

404

<210> 1874<211> 401<212> DNA<213> Homo sapien

ggcagagga ggtacaaaac ttgggatcaa atggaatctt gattcactaa ccaatttaag
60agctgacttc taatttttagg aactttgggt tatgaacgct tccattttat acctgtgtct
120agtttagtttc tgcctatcta tccgagaagc ttttatcaag ggtacaccat gtccagcca
180ctgaagtaga tataaatata aggatgtgta aggtatggat gatggtatc gaactggcat
240cttactggat ttgtccgctc tgtaaaagat actgatccga aaacttttta aagccctaga
300gagggcttta aggcaatgta gcatcatata tagaggcatc aacctgttca tatctttcta
360tttaacagaa ctgtgctcct gggcacaagg gtgtgcacaa a

401

<210> 1875<211> 397<212> DNA<213> Homo sapien

ttattccgtt gctgtcggct tcaggtatca aggttagctt tgggaaccag actacagatg
60agacagctga aagcaaaagag gctgaggcgg agcacagacc aaaaaagagt ctacggggag
120aagaagggaa gctagtaagc aacttatagg gggcagtgtg agaaatgtca catgttacat
180cgctcacaca gagaagcaga atttatcaat tttcaaaggg aaaaatgtct tgtctactga
240caaggattta atttttgctt tttttttttt tgaaggggg gcataatttg tttcccaggg
300cgggagtaat gggataaaat ttggtttatt tgaagctccc cctcccggtt taaaaccatt
360ttttgggttt aaacctccaa gtagctggga ataacgg

397

<210> 1876<211> 465<212> DNA<213> Homo sapien

gggaccgaag aatcaccgan nttnnnatag gatcccagtc cgttgtgtc gctggagtgc
60agcggcacta tctcagttta ctgcaacctc cgccttctgg gtgcacgtga ggctcttgcc
120tttagcctctt ttagctggg actacaggca cgtgccacca tgcctggcta attttgtat

180tttttaata gagacgggggt ttcactgtgt tggccagggt ggtctcgaac acctgacctc
240aggtgatcca ttcgtcttgg cctctcgaag tgctgggatt ccaggcgtga gccactgagg
300ccagcacatt tccactttta gactctactc cataccacag gtttcattta agaagaaga
360gctagataaa tgtgctcttc tggttacccc accctgacag agtgcatttt tacacggcta
420gcagggggtg agactgcagc ctggcctgcc agccattgga ggtgg

465

<210> 1877<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg
60ttgccatata gaagagatct tctcttctta cggattttatt tctctttttt cgtgctttgt
120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa
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240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc
300ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgaggt
360gacgattaag agttaatata gaacttag

388

<210> 1878<211> 429<212> DNA<213> Homo sapien

ggcagagcgc ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc
60tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct
120gacaaagaat caagtgttcc tttaaccag ccaagggaact ggtgttctcg ctgacctttt
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240ccttctgagc ttttccaggg ctgacgacca ccttcttgat accttccctt ctctcgatct
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac
360tgattctaca tgatgggaat ccaggcttct ggagatgagg actgggaggt ctccccacca
420cacaagcct

429

<210> 1879<211> 433<212> DNA<213> Homo sapien

cgttgctgtc gggagctgct cccaccttcc tgacctacc cgtctgcacc attccccag
60ctgggctgga aggttccata actggccagc tgccccata actggcagca tccccagac
120caggggtactc taataggggc ggctcaggca ctgagactac cgtcaccac caggggtggt
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240ggaccttctt tccagggtct ttcctttggg ggaggcggag aggggagaag aagggaagga
300agggcagaag gaaggaggga agaaaagaaa gcaaaggaa agagggaag aaagaaagat
360gggagggaagt gcagcaggaa tagcacctc tccccgggag gccctagctt ccgtgagggg
420ccatcaccag ccn

433

<210> 1880<211> 422<212> DNA<213> Homo sapien

cctagcgcgc cccgggtggc tgcagccgct ggcccgaaaa tgcgtctcgg gcgagcaggg
60gtcagcggg aaaaaggagc tccaaatcca ttctctgct gcccccagg caatgctgac
120aggagaggga gtgggttccc ccgaggcta tcccaccgat ggggctgaga gcttaactcg
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300ctttcatgcy gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggtcga
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg
420ag

422

<210> 1881<211> 418<212> DNA<213> Homo sapien

gtgagccgag attgcgccac tgcagtcgc agtccggcct ggccgacaga gcgagactcc
60gtctcaaaaa aaaaaaaaaa cttgcccggg ggataaaaaa cccggggcct ttggcccagt
120ttgggaagtt ttatggggga agaattgtta aactaaagcc ctttaggggtg gcggggcttt
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt taaaaaaag
240aatttggcca aaacaagggg ccttaaccct tgaatccaa ccttttgggg ggggtggaccg
300gaaccattgg agtaagaat ggggaacag gccttgacaa aaaagcgaag acccattttt
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa

418

<210> 1882<211> 417<212> DNA<213> Homo sapien

cgttgctgtc ggaacatggt tttggctatg gcttgactca tgggctttca gctctttttt

60ccatttgttg aaagtaacat ttctctctct ctctctttct attttttctt ttcaaaagc
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180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggcgg ctcatTTTTT
240taatttttaa aaaagggggc cccaggggtg caaggcaata aaattggaaa tgaccctttt
300gagaactttc gtttttgctt aaaaacagc ggggtgatga gaactcaaaa acctaaaaaa
360gatttttagtc aaagggaggg ctctttttct caccggacct ttaaaaaaa aatggcg

417

<210> 1883<211> 393<212> DNA<213> Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct
120acctccaggt caagccaggg atgcagact gccgagacca cgtttgtgcc aagcactggg
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact
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300ctgaaacacc atgtaaaaac ttgccatgta tggccgggcg cggtggtcga cgctgtaat
360cccagcgctt tgggaggcca aggtgggcgg atc

393

<210> 1884<211> 185<212> DNA<213> Homo sapien

cgctctcatt gattagtga acggaccttc caaacctggc ttataagaag ctaaaaggca
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatggg acaaaagcgt
120tggcgattga ggagtttgc aaatctctag gtcacgcctg cataagggtt gattactcan
180gagtt

185

<210> 1885<211> 392<212> DNA<213> Homo sapien

cgttctgtgc ggctgaagge tcatgaagct gaaatgtggg aagttcactt tgcgccatc
60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc
120cacagatgta cctgaaaagt cgtcactctt tcaccaagggt aaaacttttt aatgaatact
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggctga
240aaggcagggg ccaatttcg gtttaattgaa acctccgcct ccggggttaa agcaattttg
300gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccggcc cgggctaatt
360tttttgrttt ttaaggggaa agggggtccc ct

392

<210> 1886<211> 413<212> DNA<213> Homo sapien

taaggccac agcacatata gactgactgc gatattctat tttcatggca gggagtgate
60aggagaagg cttcctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc
120aggcagtttc agactcactc aagttgtctc ttgacagtca cttctaaatg ggttctaagt
180tgacaatggc ctccaaaact acagccttcc ctgaagtta agctgtgacc ttagatttta
240gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct
300gggagtccca agacccttcc agggaggatc tgtgaggta actgttggca ctgtggcatg
360aatcaagggt gtggcagcaa acttctagta gtttgatg gtccttgata gan

413

<210> 1887<211> 387<212> DNA<213> Homo sapien

ggcacgagcc agccttgaac ttctgggact aagtgatctt cctgccttag ctttctgagt
60agctgggacc acaggctcat gccaccacac ctggctctaa cctgaaattt tcaatatgat
120cataataacc ccagcgtgtg ttaacctaca gattgctcct taaaactcaa ttgcttttag
180agcttttaag atctcccca tcccttacta ctcacctttt aggctgtata tcattccagc
240cctaagctcc agagagcctg gttcaaatgg aactacagt tttttccatg cgtatttaat
300gctcacagaa caaaccceaa tagaccacaa cttcactca gactaacaca gcattctact
360tgcctggcag gttcacagat cataaat

387

<210> 1888<211> 422<212> DNA<213> Homo sapien

tgcacgagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagacagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gcccccccc
180ccccccgcac ccattgtgcg ctgtgtgttt ttttgtgtc gggccctgt ccccccccg
240atctgttctt ttctatccat ccacatgctt gtgtgtgtat cctaaccccc agagtcttga
300cttccagagc tcaattttcc ttattgctt gttgggcgca cgcctttttt tcttcttat

360gtctagaccc acgctctctc tccttgatt ccctgcgttg ggctgaggac accccgcacc
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcattatct ctgaggcac gagatcac agtgcctgc
60tgaggatagt catttgata tcttatttaa agtgggtgtc gtcaagcttt cccaccgtag
120gttgctctat ttcccttgaa atgaacaagt aattgtggg cgattttttc ggactatatt
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttggtga
300tctgcgcccc tcaattggca ttctacgaaa atatggagcc gtcgtgagct tgcacacct
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa ccttgctctc acaagttatt aatgaagtgt ggcaagaaga
60aacaattggg cgtctactac aacttgtaga ccttccactt ctgactcct tactgaaaca
120gcaagaggct gtacctaaaa ttctcaacc taagaggcag tccaccatgg tcaacagcag
180taactatctg gatcgaggga ttctcaaggc ttatagtac tctcaggaag atgagtggct
240ctcggcagca attgactgtt tagaatacct tccagacaa atggtggtgg aaataagcag
300aagctttcct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat
360tggcagatat tacagtagta gggaacctct gttaaatcac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggct tcgctggcgt aaagtcccc ggagctttgc cctcacgga
60gaacgttagt tgacctgat ggggacctgt agggtaaagg ttttgttttt gttttttttt
120acggaaaagg ttgtggttag gccccttgga aagtgtgcac aaaactcgag ttagacaagg
180aaggtcggaa ctaagtggcc acagcaacaa tgcaccagca agcaggagc gtgataggaa
240gagctaaaga ggaatcggga aacctggag atgggtttca ccatgtttcc cagcctgtc
300tcaaactcct gacctcaagt gatccgcct cttgggtctt cgaaagtgtt gggacagcag
360gagtgcgca ccgcatctgg cccggaaagt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag
60gcagtaccta gagcccagct gaacaacaag gctttgggtg tgaaggact cccagcctg
120gagacctat ttggctgaaa cagttacaaa atatcaaat tgttgtcaga tattcctcca
180attgttcaca tagctgggat atttgttgc cccctcaccc cttggattat gtagggagcc
240agtgcacaca gctgtttgt tttagtatcc aaggaagaga ccaaggagcc agctggcggg
300aaggggtggg gtgtgcaanc tgccctgtcc ttctgtcat aacctgacaa aatgccaaac
360tagcaagcag gatagctgat accacggcta tgagggagt

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata
60atcttcacct tgccttgccg caaaactgat taaagggaaa agacttatac acatagaagc
120acataaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat
180attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc
240tcctggttg cagacaaaa aggcacaact gaatcacata gtgtagacga agaataaaac
300acttcttgc catggggtcc atccagagcc tcacaatgtt tacagatgtg tctgactcat
360aatgtgagtg ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaag ggcagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg
60tggaatggcc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggtg
120gatggccagt taaccactgg gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tctgacact aatggagaag tgtgccctca tggaagccct
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aagggttcc tagaggagct

120gatggcacca gtggccagca tctggcttcc tcaagacatg cacagagtgc tgtcagatgt
180tgatgctttc attgcgatg tgggtacaga tcagaagagc tgtgaccag gcctggagga
240tccgtgtggc ttaaaccgtg caggaatgag cttttgtgta tacagcattc tgggtgtggg
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtggtggg
360ttatacatcc agtggaaatc caatcttccg taaccc

396

<210> 1896<211> 409<212> DNA<213> Homo sapien

ggcacgagaa tgactctgtt attaaagggtg gcatggagac tgtggaggga atatttttta
60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga
120aattgtacct taagtttagta attccaaatc tatctgagtt gtatacccat caaagacaat
180acagctatta tcatagatga aggtatgcta taggcatgat tcattatctc tatattgaat
240agggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga
300tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggatcc
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg

409

<210> 1897<211> 433<212> DNA<213> Homo sapien

ggcacgaggg gcaaacctgg agaaccctcc taaatccata gagttttcaa aatgtgaatc
60tttggaagcc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca
120gtcacttcgt ttttgagaag agtgatgctt tgggcatgct tttttttttt tcttttttaa
180aaaacaggga gttgaagccc accctattta aaaaaccccc catttgagga attacaaggg
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gttttgtct
300cgngngctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtccctggat
360gttgtttggg ggcgcgtgcc tttcaaaaac cccgccccaa aacaaccggg gaagggggag
420ggccccgctt ccn

433

<210> 1898<211> 399<212> DNA<213> Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg
60agtttcatga cttttttttt ttttaacccc tttttgaaaa aaaggggggt gggttaaaac
120ccaaaaatat ccttggtgct tttgaaaaga aggcattgaa acaaaccttt ttgtagccag
180gggttaaaaaa acggaccggg ttgggcccct cttggtaagg ggggacttca gggccccggg
240aaggccggtt tgggggtaac ctgaggggga cacaggccct ggggggggag ggttttttta
300actggttacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc
360aaagacatgc gggcccgctt aaaagcgagg attaaaaan

399

<210> 1899<211> 417<212> DNA<213> Homo sapien

ctgctcccac tgtctttttt tgtttttttg ttacaacct taaaaaacgg gcttgccatt
60ctcaccccaa gcttcatggt acacaagccg cagcagccag actgtagctt gccaacactt
120gctagaccat tgctcttcat gttcaaactg ccagtcagga gcacaaggac caggaagtgg
180cctgacttgg ccaggaccac tcagcccatt acagttagga ggagcggcca gatctcagcc
240ccatccactt gggaagtcag gagaggcagt gaacacatca cctgaaagtc agagggtctt
300cgaatcacc accaaagcat gtattgttac aggtaatagt gctgagagtt caacagagga
360caggagagaag gtgactctgt aagactgtgc agggaggag gacagccact caggag

417

<210> 1900<211> 401<212> DNA<213> Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaac taacaaggga gggcgagtgg
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtgc
120agcctcacag aagccagcgc ggggtctctg tcagcacccc agccgggggt ctggaccag
180ggtaacagcc ccagttcatc ccaacccctc tcagagccctc aagaggggta gctcggctgc
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtacc cagcacctgc
300caccggcttt gccatttctt tgagcttgaa gtttaactctc ttagagtcta actgtggttc
360atttctgcac aggtacaata gatgacttta tttgtttaga a

401

<210> 1901<211> 407<212> DNA<213> Homo sapien

tttcagttca ctttatctac tatgacacat actttcagag tcctagatgt gctgtcatcg
60agtcccagg cactatcag cctctgcgg ccagtgtccc cacctcctgc
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagcg

180tccttaggag ggtcctgctg gagcagtggc cctaagtgag tctggactgt gtgaggcacc
240ccagccctcc acggcaaggc cggggcctgg ggggtgctgt gcctgtgtgc agcctgaagg
300ctgcccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg
360gctccgccac ctccctggcac accccatttg gtctctgtcc actcctg

407

<210> 1902<211> 407<212> DNA<213> Homo sapien

ggcagcagca tttatatata tactatatat ttcatatatg tatttcagga atttatagac
60cagacattca tatatagatg cggaggtata tatgagcgcg tgtgtatata cacatatata
120ttttatcgtg tatacgtata tacatatata cacatatata cgtatatatg taaacgtata
180tatcacgta aataaatata tttatatata cgtatatatg tatcacata tacacatata
240tacgtatata tgtatatata cgtgtatatg tatgtatata tgtatgtata tatacgtaca
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa

407

<210> 1903<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggggttttggc aatcactaaa gatgcttgtt ttgcctcagc agtagaatgt
60ctgcagcaga tcagcacaaac atttacccca tcagacaaac ttaagggtcat ccagcagact
120tttgaggaga tctctcagag tgtcctggcg tcactccacg aagacttctt gtgggtccatg
180gatgacttga ttccctgtttt cttatatgtg gtgctacggg ccaggattag gaatttaggc
240tctgaggtac acctcattga ggatctaag gaccctatc ttcagcatgg ggaacagggt
300ataatgttca ccaccttgaa ggcattgtac taccagattc agcgtgagaa gcttaactag
360gctgcataac agcttgaaaa ctggattat

389

<210> 1904<211> 390<212> DNA<213> Homo sapien

ggcagcagcc catctctact aaaaatttat ttttagccgg gcatggcggt gcatgactgc
60aagcccagtt acacgggagg ctgatgcagg agaattgctc gaaccacga tgcggacgtt
120gcagagagtc tagatcgcca tatatatata ttctgtatata tgtatatata cacacatata
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatattca
240tatgttctca taatatacga atacacctat atgctcctat atgtatatat aacatacata
300tattgatata tgtataaata atattcataa atgtatatat gcatatatat tcatatatgc
360acacatacat attcgtatat gcgtatgcac

390

<210> 1905<211> 390<212> DNA<213> Homo sapien

ggcagcagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccatggcaga
120gatgtacaac cgtcctgttg aggtgtacca gtacagcaca gaacccatca acacattcca
180tgggatacat caaaacgagg acgaacctat tcgtgttagc taccatcgga atatccacta
240taattcagtg gtgaatccta actagccac cctgcactc tctctcattg ccgctgccac
300tatcacctgt ctctctgcca gctgatgtgc cctgttgccc cccaccccat cccgcacaga
360accatccctg cattccacag gggactcggg

390

<210> 1906<211> 396<212> DNA<213> Homo sapien

tgcacgagcg gcgactcacc cggattgata tgccgtgatc tggctatatg gtggggcgcg
60ggcggtgccg ctgcgacgag ctggtgctgt tctcacatgt ttcctttcaa tgggcttttg
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttcactaccc
180ccgagtgcac aatgagggct cctggaactc ttatgtggat tataagatat tcctccatac
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgccgetacc gttagttcgt
300gcggctgata aagcaactac agagaaatgc tggattggtg cctgttctctg aacttgetgc
360gaagacaatc ttcttcggca cctcagatga tgtcat

396

<210> 1907<211> 407<212> DNA<213> Homo sapien

cttccatagc ttggccacct atttgtctca gaatacctca tctgtgttct tggataccat
60ctcacatgtc cacctcttgc tgttctcgtt caccatgaa gttatgcctc tgcaggacag
120catcagcttg ctgctggagg ccgtgcggac canaaatgag gagctcgccc agacatggaa
180gaggtctgag cagtgggcca ccatcgagca gctgtgcagc acagttggcg ggcagctccc
240aggtctccat gagtacgggg ccgtcggggg ctccacacac acggccactg cagccatgtg

300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcy agatgtgcag
360cctccccagg acctagggcg cctgccctct gctggctagg accgggc

407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aaccgcgaga agtgaatatg tactaccaga acacttacca gacaatgcct
60tacgggtcat cctatggcat tccttatagt tatacggcct atggatcatc agatgccaaa
120tctcaaaaaa cagataatac agtccctttc aaaactccca gtaatgagat gactcccgtt
180actattgatt tggtaaagaa acagcttaaa gacagggttg actccatgaa agaattgcac
240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggct
300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt ttgcaagaa
360atgcgagggt atgtccaaga cttgcttgag tgtttcagn

399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gttaaaggag atttttagagg gcattcagta aggggtgtcac
60ctgtctaacg ttttctaagg atagcagtc aatccttaat gcttcttttg accagacaat
120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa ttctgtggcc attcctcctt
180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg
240cactgtaaac atctggaata tgaagaccac agaattgtca aataccttta aatccctggg
300cagcaccgca gggacagata ttaccgtcaa cagagtgtt ctacttccta aaaaccctga
360gcactttgtg gtgtgcaaca gatcaaacac ggtggtcatc atgaaca

407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtggctctg ccgagaagcc agtcacgccg
60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaagggt tggctttcac
120aagtacagtc tacaaaaaga cctgctagag ccattattgc ccccatgca gcatatacgt
180actgtgggtc ttgtgctgcc catgcttata aacaagtga tccgtctatt acccgagaa
240ttttcattct tgggccttct catcatgtgc cctctctctg atgtgcactt tccagtgtgg
300atataatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt
360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg

408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggccgcgaa taaggattac aaggcacgct tgacctgtcc gtgctgtaac atgcgtaaaa
60aggatgtctg tcttactaag tgtttcatg tcttctgctt tgagtgtgtg aagacacgct
120atgacacccg ccagcgcaaa tgtcccaagt gtaatgtgc ttttgggtgcc aatgattttc
180atcgcatcta cattggttga tctaagtcaa gagaagaaga ggagctggct agtcaggaac
240ttattcatta accaccaaac ctctacctct tctctccttg actgtcacct gtaggacagt
300ttatcagtc actacctttc ctccagactt tacttccagg ctctcctctt cagttagctgg
360atgactttag cagaaaggac tggtaaatac aa

392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcacgagggt ctacagcctg acccagctgc ccgtatcgc aatgtgttgg aggcctctctg
60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac
120aggcgcaggg cctgccacg ccttttattt tgctgtctac gaaaagttaa aaaagacatt
180gagtgtatga atccaccctg ggggcaatag ccatattgcc aatggtgcgg ccgggtgtgt
240ggcaacatta cttcatgatg cagccatgaa cctgcgga gttgtcaagc agaggatgca
300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtgt ggcaaaatga
360aggggcccgg gccttttacc gcagctacac caccagctg n

401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgtgtgc gggccatttg ttttgttttg gtgtccctt tgaagccctg ccttctggcc
60ttactcctgt acagatattt ttgacctata ggtgccttta tgagaattga gggcttgaca
120tctgccccca aggagtagct aaagtaattg ctagtgtttt cagggtttt aacatcagac
180tggaatgaat gaatgaaact tttgtcctt ttttttctg gtttttttt ctaatggagc
240aaggactaag gaaaaccttt ggtgaagaca atcattctc tctgttgatg gggatacttt
300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttcaacct
360gaaagtaatg gctctgggtt ggg

383

<210> 1914<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tattttgggt
60tctgagaaac agcttcctcc cattacaggc accaattcaa ttaggcagga gatagtgtg
120aagggtttttg tttccatcag cttctgctgt gtaaatagta gctctgtttg aaaaactttg
180agaagttgtt gtgatgtgcc tttttctggg ttccgatacc ttctcagcct ggtgatgcca
240tggcattcaa atcaatttgt ttctcttccc ctcccttacc ctacatccat catacaaat
300gggggtggtt gcactaatca gagatctgct tttttccccc cacagatatt ggtaaattat
360taaaaaacca taaattttct tcta

384

<210> 1915<211> 385<212> DNA<213> Homo sapien

ggcacgaggg gacctgtctc gccagatgg ctctggaca ttgcccagc gtcctactga
60gcaggaactg agggcccgta aagcagcacg gccaggggga cgtgaacggg ctgcctggc
120aactgccag gacaaggccc gtcacaaca agggctcctg gncagnattt nttntttttt
180ttnttttttt tttttttttt tttttttttt tntttttatt aatatttttt tttatcttct
240atatctaccc ctattccccc ttttttttag gcaaaaaaag tgttaaacc cctctttttg
300gttctggata aaaaagaaaa atgcccgcac ataggggtct cctccctaata agaaaaaaa
360gccccttttg ggggcaaaaa aggtg

385

<210> 1916<211> 383<212> DNA<213> Homo sapien

ggcacgagga cctgcgcttg tgccttttat aggttcctgc ccggcatatg atgcacatct
60cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag
120cggctgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggctc tatggactag
180cgtcgccctc tgcactcttg atggctcaca acgggcttgc cttctcttac tactaaccat
240tatatgctat ttgctgtccc tgcctagact ttgctccact gagtggttca tttgaggcca
300accctccctt gtgcgaggag ctcatggatg ccattggctc tcaatttgag agactgcttg
360agagctcacc ggagcccctg tct

383

<210> 1917<211> 384<212> DNA<213> Homo sapien

ggcacgagaa gagccagctg atatcctcgg cgaacatgtc tctcctgagt ccagaggacc
60aacaccctca acctggtagc ttctttctgg cttgtcagag ctctcagaag gtacctatag
120gagcccaagc cccagctaca tcttccactt attctgcctg attcccccaa agacaatggc
180tggaccctgc atgcagggct gggggtggaa tggggctaac cagctcctga tggcctgagc
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gcccatgccg
300acagatatcg tggggtgac aggtccacgg caggcttgct ttcttttata aaatggaagc
360tctggtacct tcaatgtatg actt

384

<210> 1918<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gagcttagca aatctgggta ttggttttgc ctgtttttaa accccctttg
60gagtctagta aggttaacca ctctggttag ttacagcttc taacaggtga ctttacattg
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat
180tttgttcac tgggttgac acccaatctg tgtcccaggg actgggactg gccttcatta
240ccttattgac atgctttctc cggacacaca cacacacac acatttgag ccatctcaat
300ttagtagagg aattacacat aaccaaaaca ctcccaaat gtgtgctgga gaacagctcg
360gagggatggg acggcctgtc gtttn

385

<210> 1919<211> 378<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaaa aaaaaaaaaa accccgccaa tttttaaaca
120accccgaaaa aatttttttcg gggccctttt ttttaaaaaa caaggggggtt ttttcttttg
180gtatcccaaa aaccactgg gggcaagggt tggggggggg aatttttttag ggcccatata
240aaattcctta ggggttttgg aaagggaat cccggggcaa taaccctttt ttgtaaaggg
300ctaaaccctt ttttttttta ggcctttttt tttttgaaaa aggggttatt cttggccccc
360cgggttaaaaa ccctggga

378

<210> 1920<211> 379<212> DNA<213> Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt
60gacagttag attagcaggc actcaccatg ggcctcccc ctcctcagc atgaaaccag
120caggagaaaa tcctcaactc ttggcttctc ctgggggaga caaaagagtt ggaatgtgtg
180tccagtgttt caccttttca gtgggctgag ggactggctt ctgtcttgct tgtcttgaa
240agctgacagg ggctgggtgca ttccagggtc ccaggagcca ctgagaacag aagacttggt
300gctgctctag aggacctatg gtagggcaga cagaggatga tacagctcag cagcttgctc
360ctacgtgtgg catgaaagg

379

<210> 1921<211> 381<212> DNA<213> Homo sapien

ggcacgaggg ggcaatgcta aatattgcgg cagttttatg cattgctacc atttatgttc
60gttataagca agttcatgct ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg
120ctggccttgt acttgggaata ctgagttgtt taggactttc tattgtggca aacttccaga
180aaacaaccct ttttctgca catgtaagtg gagctgtgct tacctttggt atgggctcat
240tatatatgtt ttttcagacc atcctttcct accaaatgca gcccataatc catggcaaac
300aagctctctg gatcagactg ttgttggtta tctgggtgag agtaagtga cttagcatgc
360tgacttgctc atcagttttg c

381

<210> 1922<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggtaaccc tttctttatg cgagccaaag gattcttggc tccaagcctg
60gtcctggctg ttagtttga actcatgcac ccagatgcta actcgccctc agaatgcaga
120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacgggggt tcaccgtatt
180agccaagatg gtctcgatct cctgacttcg tgatccgccc gccttggcct cccaaagtgc
240tgggattaca ggctgagacc acctcgcccg gcccatgttc tagatttttt attctgggtt
300agcaggatcc aaactgcctg tcttgaagag actctcttct tcttccatac aacggctggc
360ctctaccaag tta

373

<210> 1923<211> 370<212> DNA<213> Homo sapien

ggcacgagta cagaagaaca atgcgaggcg agctcaggcg cgctgatggg ggtttccgat
60acaactcccc actcaaagaa ccccgagag ctcttgatc catctctcag tagggctctg
120aagtcctatgc tgtctgaaga cacagggtct ccccttgcgt ctgtgccagg acagagggag
180tgccaccagc caagctgcaa tccttttaaa cgtaaaaaac ggccgggctt ggtggctcat
240gcctgtagtc ccagcagttt ggggtgatga ggcgggtgga tccctgtgg tcgggagttc
300aagatcagcc tgaccaacac gaataaacc cttctctact aaaaatacaa aattaggccg
360ggcacagtgg

370

<210> 1924<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag
60agagagaact agtctcgaga gcagtttttt tttttttttt tttccagca ccgtgaggcg
120ttactggagc acatttttgc ccacaaaaag gaaatagccc ttctaattccc cgcctgcaaa
180acacaaaaacg gcaaccctcc ccgggaaaaac ttttgagaaa ccccgccggg gcaccaaaga
240cctaggggga agatctgggt caaagggtta aaattccgta agaaagggcc tataggagct
300gtgagaactt tttttgccc cgaataacca tttttaacaa acagccctaa cccctagggg
360agagctggac gggg

374

<210> 1925<211> 370<212> DNA<213> Homo sapien

cggtgctgtc ggtttcttga agaggtagag ggatagggtta gtaagatgta ttgttaaaca
60acagggtttta gtttttgcct tataattagc cacagggttt caaatgatca catttcagaa
120taggttttta gcctgtaatt aggcctcatc ccttttgacc taaatgtctn acatgntact
180tggtagcaca tccacctgta tcaataatcc ccatctggtt ttgggggatg cgctggcacc
240atttcccaa aatttacgtg taagtatcac aaagaggggt tctacaatct ttgatttcc
300tttcgacaag attgcaggcg attcctctcg gagaccttcc ccccggcatt ttggacctta
360tgagaggggcg

370

<210> 1926<211> 150<212> DNA<213> Homo sapien

atgttttaaa catgggtccg gagcctttta ctctcccgaa ctctggagg ccctaacgt
60gcgcttttag gctcccgatt ctcggaatcg ctgggaccgg cctttattca ctttgggtgg

120cctataagag ccgttgcccc tggcgggtgat

150

<210> 1927<211> 354<212> DNA<213> Homo sapien

ttgcttatac tctcactgga accaatgcat ggaacagggtg gtgcagacct ccagctgata
60atgcattgaa gaacaggcat catatgctaa atgagtgaag cttagatctt attcgacacc
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaacca
180caggectata tgttggaagt gctgtccggg gctgttactg tctcttctgg ttataaagca
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttcttttgg gaatcctttt
300cttctccttt ggttagcagct ccctgcctcc agggcttccg ccaccagcgt ctct

354

<210> 1928<211> 336<212> DNA<213> Homo sapien

tacgctgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta
60gcagggtgta ggtaatctca ttgtggtttt aatttgcatt tccctaattg ctagtgtgctg
120tgaacgttgt ttgcataaac ctggtatgtc ttcttttgag aagcattttc acaagccatt
180ggtgaagtat gtggatcacc accaccata ctccaacctt gttcccagtc actggtacct
240atagggtgag agtgagggtg ctcatcaacg agctctccaa gtcataagct gctgctctcc
300cactcacgat gcttgggtgat tcaggagcgt tttccc

336

<210> 1929<211> 448<212> DNA<213> Homo sapien

tttttgcagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc
60tagagtcata gaagagtgtat taggagcttg tggggtataa aaataacttg agaattggct
120gaaagcaact aggggaagatg ggggtagtag tatgtgtaaa catttgaggc agtagagatg
180tgggacccaa atactgttcc ccttttactc aaattctgag atgagttgac atgttctgtg
240tagggctaga gagttagaaaa atggccagta ggtggttagcc acagagaagc agtgcgtaca
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaaa
360atatccacct gccttataaa ctagaacatc attgataact tggaagccct tgcatacctc
420tccatgatct catttgtctt cacagctt

448

<210> 1930<211> 463<212> DNA<213> Homo sapien

tgtcgtatct gcacgatccc aacgatgca aatcggcacg agcagaaacc cggttcccag
60cgtcggcggc ccggcttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc
120tccgaatect gateccacgcg ggggccaggg gcccctcgcc tcccctctga ggaccgaaga
180tgagcttctt cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc
300tgagacaagc tgttatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca
360ctgtggattt ctttaaccag atcaacatgt tatatggaac tattacagaa ttctgcactg
420aagcaagctg tccagtcag tctgcaggtc cgagatatga aac

463

<210> 1931<211> 460<212> DNA<213> Homo sapien

tacatttagc ccagcgactt gttgnnaagc ccatccaatc gattcggcac gaggaaatca
60attggagaac ggtttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtggc cattgaagat
180atcaaaaaaa tgtgccgtgt ccttcccttg agagctgaca catctggtga caggcctccc
240gattctttta ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa
300cccctgctgc tcattgtgcc ccttcgcctg ggcataaacc aaatcaatcc tgtctatgtt
360gatgcattca aagagtgttt taagatgcca cagtctttag gggcattagg agggaaaacca
420aataacgcyt attatttcat aggatcttta ggtgacgagn

460

<210> 1932<211> 436<212> DNA<213> Homo sapien

cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg
60accacagtc accaaagggg tgccatagac ccacttgagt ttttcaaact gagtaatcct
120aaaactgtta tcccacctg ctttgctttt tccatgaaaa tgacagtaag ggctgtggcc
180tgacttttac cctcattact gcttctgctt cctgaccaa accctatgca tctcttaagt
240ctggcgtggg gtgtgtgtggc atgccgtctt ctccaggaa atgcaagtaa tacacatttt
300tcagtgatat tggcctttct atgttgtcac ttactaataa ctccatanat taaatcttgg
360gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagtg agttgagttc

420tgtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cggtgctgtc gggaatagag taattttttt tcccattcca cttggaagct gtgtacctca
60agtgtgtgca cttttacaaa tgggtgaaac ataacttatg ttagtccaag cttgatttga
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg
180gatctctttc tgttgcctca ctccaacag tgtggtttca ggtaatacga catgtttgtt
240acttggtttg ctgatctatg tgttggaac aatgctcacc acaggaggat tgactacata
300gcctgctttc atagcttgtg tgtatttatc cagtgcctta atagttgata ctgccagtga
360tttactcctg tggagtaaag gtaagcatgg ttaatttct tgagtattat atggtacgtt
420ggagctaggc atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccactgactc tcaacatgag aaagctttta tttctatttc
60ttttcaattt ttccacattc taaaattttg gctgggcgga tcttgatttt taaaacattt
120gtcctttgtt ttctaaagag ggtcgttggc ttgcttagtt tttaaaaaa ttgacgaatg
180atgtttttta acgaacatgt tcatcttgc t aatttttgtt tgtttttttg agacggagtc
240tcgctctgtc acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc
300tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttggcc
420acgctggctc tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtatttaaa
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatatgct
180tgtatagcat ccactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtggc
240cctgggggag ttactaccct tggatgcat gagcggttcc tattagcatc agtgggaact
300cagtactctg tatgtatcca caaaaggga cttgagaccc acagttattc ttaatttctg
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagtg
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaaggga taaaagctta ttctgatatt atagagcata taacagccat
60gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga
120gcattatata gagatgcttt tgatagagc cctaaaaata attgggatag agagggagtt
180ggtgaatttg agataatttt tcaaagaaca taccatattg cgacgcaaac ggtagatata
240aatcagtgat aagctatatt ttgagcttta caattgttt tacaattacc cctgttttga
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac
360atggtacgta gaaatttggg agaatcacta catattttca ggtatcattc tctgtgcaaa
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cggtgctgtc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccctagagtt
60aacccggcct tagatcagt acattggctc aagtaacaaa tatcaaagca gaactcttag
120tgtggcaaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccaa
180ttggtagctc ttagaatggc tgcagttgca ttcatgttca cagcaagaca caatggtttt
240gatagcaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga
300ggacctgggt gttgtcatgg gcagcaggaa gtgtgaagga gagggtttt cctccgatga
360aaggaaggct agggcttgat tcangggagc aagtgggatg ggccctgctg gtccctggct
420gtgcctatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaaaac cacgtttctt tgttgagctg tgtcttgaag gcaaaagaaa
60aaaaatttct acaggagtct ttcttgttcc tagttgagct gcgtgcgtga atgcttattt
120tcttttgttt atgataattt cacttaactt taaagacata tttgcacaaa acctttgtt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgcgag
240ggcaggagta tttttgtatt agaagaggcc tattaataaaa aaaagttgtt ttctgaacta
300gaagaggaaa aaaatggcaa tttttgagtg ccaagtcaga aagtgtgtat taccttgtaa
360agaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact
420atttn

425

<210> 1939<211> 426<212> DNA<213> Homo sapien

cgttgctgtc ggtttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca
60agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg
120ttcattgaaa aaattgtaga gtatgcactc atcatttttt cagttacact caaataacaa
180ctattagtag acgtgttatt ttataaaga atgaacagat gaggccagga acagtggctc
240atgctgttaa tccaacact ttgggaggct gaggtgggag gatcatctga ggtcaggagt
300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt
360gggctgtgtg gtgcatgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc
420ttgaac

426

<210> 1940<211> 425<212> DNA<213> Homo sapien

ggcagcagga tggatcaaaa gttatgatta cacactgtaa tctaaatgaa ttttaaggaat
60ggcagtactt ctagaacctg cacagattta ctcatattcc ttcaggaaag tgtttaaatc
120gctcagaggt cctgcacaa gcattcatct ccaattgtga ctccagtaca acgactcata
180aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataactacc
240tactgacaag taaatttata caggactgaa aaccgcctga aacctgctgc aactattgtt
300attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa
360ctgtgatittt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt
420acacn

425

<210> 1941<211> 435<212> DNA<213> Homo sapien

cgttgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa
60atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa
120cggaagtgc cacaagcact aacaggagcc aggaggaact ctctccagt ccgcctttgt
180tgaatccatc cacgccacag tccacagaga gtcagccgac caccggtgaa ccagccacce
240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcggtcc acgcgccaca
300gtgccaaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc
360aggacacatc cgccagcatg cccaagctct tccttgacct ggaaaagaaa acacctgtgc
420ataacagatc atctt

435

<210> 1942<211> 444<212> DNA<213> Homo sapien

ccggaacccc cctccccaag actatgaaag tgatgacgac tcttatgaag tgttgattt
60aactgagtat gcaagaagac accagtgggtg gaatcgagtg tttggccaca gttcgggacc
120tatggtagaa aaatactcag tagctacca gattgtaatg ggtggcggtta ctggctgggtg
180tgcaggattt ctgttcaga aagttggaaa acttgacgca actgcagtag gtggtggctt
240tcttctctt cagattgcta gtcatagttg ctatgtgcag attgactgga agagagtga
300aaaagatgg aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcaccttg
360aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag
420tggatttgtg ggagggttt tgcn

444

<210> 1943<211> 426<212> DNA<213> Homo sapien

ataacgctac ttgttctttt tgcaggtnnt tgcgattcaa ttccggacca ggccatcttt
60aagtcttacc cgacagtggg ggacgtggcg ctctacatgg ctttcttccc cgtgtggaac
120catctctaca gattcctgag aaacatcttt gtctcacct gcacatcat cgtctgttc
180ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc
240ttttatgcc aacactgac cttcaacgtt gggcagatcc tgctcatctc tgattacttc
300tatgccttcc tgcggcggga gtactacctc acacatggcc tctacttgac cgccaaggat
360ggcacagagg ccatgctcgt gctcaagtag gcctggctgg cacagggtg catggacctc
420atgggc

426

<210> 1944<211> 413<212> DNA<213> Homo sapien

ggcagcagcc cacacaacga gccattgac tccaaagggc agcacagcag atggactgct
60attatcccag tggtagacat ggggaaactg agggccggga aggcagactt gcttgccata
120tgtcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca ggttctgagc
180ccttcccttt ctgtctgtgg gcctactgtg tgctccaaa aagctgtggc caaattaagg
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga
360ggcgagtga tcacctgagg tcaggagttc gagaccagcc tggccaacat gga
413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctggtgag acacgatccc ctctaagaa aatgttgggtg ctacagacagg taaccactgc
60tgctactgtt tttatttgtt tgtttgttca attttattta agatttgttt ttgttgact
120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct
180tgctttcttt tttttttttt ttttctcct taaaaaacca aaacaaagt cttttaaaaa
240tacttttagg ccccttgga gctggatttt tgaaatgtt cagaagggga caaaaatcgg
300tgggggaaat ttttagttt cccagggtta attaaaaagg tttttaattt ggttgggat
360tttgggggg gattttttt ctttatcca aaggccttt ggccg
405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga ctgatatgt aagcgctggt catttttctt ctggggttta ctgatcaggg
60tggagatttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatattttt
120catgacgttt catgatttgc tgctggtttc aaatgaaact acaaatctgg catgttttac
180tgtgaacact tttgtattt gttttgtacc ctttttgtc ttgttttct gtttagctg
240ccttctgaaa aaagagtgtt tccctctgtt tctgtcctca gatgatgtcc ctccccctac
300ctgtaacctt tcttgacat aattgttcat atcaatgaag gtgctgacca gctcaatata
360cagttaagca caagatctaa agctcttgaa atgcccagaga aagaa
405

<210> 1947<211> 404<212> DNA<213> Homo sapien

tttttctgat ggaatctgc tctggctaatt tttcttatt tttagtagaga caaggtttca
60tcatgttggc caggggtggc tcaaaactct gacctctggt gatccacctg cctcggcttc
120ccaaagtgtt gaggcaggcg gatcacctga cgtcaggagt tcgagaccac cctggccagc
180atgatggatc caagccggga ggctgaggca ggataattcc ttgaaccagc gactcagagg
240ttgcagttag ctgggcaaca cagcaagact tcatctctta taaaaaaaaa agacccccac
300cccccaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgttttta
360tcttgggcca gtcttttaga caccctggc caaaaatggt taac
404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tctgtgtggc tcatgcctgt aatcccaaca cttaaggagg
60ctgaggtggg cagagcacct gaggttggga gttcagagacc agcctgacca acatggagaa
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcagtg cctgtaattc
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt
240gagctgagat cagccattg cactccagcc tgggcaacaa gcgaaactct gtctcaaaa
300aaaaaaaaa aaggggcccgc cgaatgagga aattaaagg gttttttcca aaggaccct
360gcaaaaaaaa aaacttttag ggggacccct aatccgggaa aacattggaa agccaaa
417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcacgagaa gcactccgct tgctaataaa accagagttt ctggatagtc caaaacattg
60gttcttagag tataattcct aaaccagcag catctgcac acctagaaac ttgtcagaaa
120tgcaagttat cagactccac accagaccta catgaatcag aaactctagg tgtggggccc
180aaaaatgtag cttaacatgc ctttcagggt attctgatgc aaagtaact tacagaacct
240ctgcactaga gaaaacactt ctttttgaga tagtcaagggt tgtatactgt ttctaccaag
300cacaatatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg
360tttccagtgc tgtgtgtgtg tgtgtgtgtg ttataaaaa tatcttgata tatatg
416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaacaccg tctctaccag aaaatacaaa ttattagtca ggcgcggtgg cgggtgcctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct
120tgcaagtgc cgagatcgcg ccactgcact ccagcctggg cgacagagcg agactccgctc
180tcaaaaaaaaa aaaaagggtt tcaaaagtcc tttttgttaa agaaccacg taaaaggctg
240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg
300catgttttca atgaaaacat tcacttggta tttcatttgc aaaaaaaaaa agggggcttt
360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta

412

<210> 1951<211> 422<212> DNA<213> Homo sapien

ggcacgaggt gactcacgcc tataattcca gcactttggg aggcgaggc aggtggatca
60cgaggtcaag agatcgagac catcctggcc agacatgggt aaaccctgtc tctactaaaa
120atgcaaaaaa ttagctgggc gtggtggcgg gcgctttag tccagctac tcaggaggct
180gaggcaggag aatcacttga acccgggagg cggagggtgc agtgagccga gattgtgcca
240ccgactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg
300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggcggggccc
360tttgacttt gaaggggccc caccacaagg ggttttgtt gttccaggg cttttgaac

420tn

422

<210> 1952<211> 413<212> DNA<213> Homo sapien

cctatatcaa aacttatcaa atggtgttct ttaaataatgt gcattttatc atatttcaga
60tatacctcaa caaagctgtt agaaacaagg agttggaatt agaaaaatta cccaagtagt
120attcaataac ctaattatct gcttgaaagc actgaaggcc aactatggaa ctcaagtggc
180ccaccagaga gaagtctggc taggtgtcga ggtggcgtgt cctgaccatt cagtggctga
240gccctgtgaa aacaggcatt ctgtaggtct tcggatgagg aacttgcaga agcagccggg
300tgctgccatc ctaagctggg ttcccatatg ggcttctctg tgagtgttaa gaaaagctgt
360ggtttgcctg tcagagttag cgccccact cagggttaacc acagtttctc cat

413

<210> 1953<211> 409<212> DNA<213> Homo sapien

cgtgtctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat
60tgcttctgag ccatttcttg gtatccttat tgacaggctc atcctgcttt tcttactat
120gttaactgaa ctactatctt ctgtctactt ttaggctctg actttgacct tctctgtg
180tgaatttaac ttctccctct tagcagtaaa gcaatgcata gattactttt aatgaccac
240cctttccctt catttgcatt agccctatga tattctatat cttcttactt tcttaggta
300gtagaagtct tggcttgtt tgccagacag agcaaaagtg gcctgggac caccataatc
360tcgtaaaata ttctcttaca cagaacgcaa aattgcttag tactctctn

409

<210> 1954<211> 412<212> DNA<213> Homo sapien

cggtgtgtc gggcttggg tgcaccactc acagagctcc cteccccagg cacttagttg
60ggggccagca ctgaccttc cctgagccc aggatgtggc cagagcccc tctgggaccc
120ctctcgccc ttctctgct cctcagcttg agctgctgc ccgaagtctg gctgttccgg
180ggcagtggtg tcacctgcca acttccacat caccctctc cctcgctccc tctctctt
240cccaaggac ctecccccat ttctggcagc caagccatta atctggagac agaaatgggt
300ttgctatcga ttctctggcc acttttctt tcattacaat ttgtaccggg attcttctca
360cccttctctg cgtccgtgca tttaaagagt tgtctctta aatgttgaag ct

412

<210> 1955<211> 408<212> DNA<213> Homo sapien

ggcacgagga gctctcctt tcttctact cctccccct cctccctcca tgccactcc
60ccctgcctcc agcaggccag gaagaaggca cagtccaggc aagtctggga gcttccaagc
120ccttgaggct cagctgtggg gcccaaatga cagccttaca aggttctac cagagaggaa
180aattccacat cccaccagaa gacaggggtg ttggcaggca tactcctatc tctctctt
240ggctctcaat gctgaggctt gcagaggcat cccagcggca ccagcctccc actgcacagc
300ttccttccct ccttactct cctctcccct cctgcccct tgcctcacct cctctctag
360actgcattag attcattcat ctcatcttcc aggacatgtt ggccagag

408

<210> 1956<211> 408<212> DNA<213> Homo sapien

cggtgtgtc gcttttttc cctattatat ttttggttct attaggattt acttaactga
60atcttataac aattcgaggt gaactgtggc aatgaaaacc agaaacagtt aatgagatgc

120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggg actgagctgt
180accacaaatat gatgggttag gtttatgtgc aagactttgt gttgtagtct agacaaaggg
240gtgggcaaga gacatgcaaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttgggtttg
360gaatggattc aagttcttac acaattttatt ttgaatacaa gcataatc

408

<210> 1957<211> 422<212> DNA<213> Homo sapien

ggcagcagga agctgctgtt cggaagtttg ccatggactg gaaagaagtt cttgtcggcg
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga
120aaaaagggat ttatttacaa aatattactc caaatggaaa ggaggtaaaa aaacacaaa
180tgaattttat aaaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt
240actacagaaa ttaagagagg aatcacgagc tgctttttta caaaaaaaa gcagagaact
300gttagataat gaaaaattac agaacttatg gtttttctg gacaaacacc aaacaccacc
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaagggtg gggaaaaggc
420tg

422

<210> 1958<211> 408<212> DNA<213> Homo sapien

ggcagcaggt caatgtttta tacattattg acagaactta cgatgatttt aggtggctca
60gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc
120tcaaatgtct ggtttcaaca aaagttcatt tgcttttgtt gaatgtcttg cacatgtctg
180tcagccagca ggcacctggg acctgctcc gggttagctt cccccggga ctgggctgc
240catgtctgac acgtggtggt ccaactggcag agggacacac gatcggggca agttctgctg
300gcccttaaaag cttctaccca gaagtgaacca ttaaccactt ctgcctacat tcaactgggca
360aatcaggtcc catggcaacg tgagagggca tgtactctcc cttgaggg

408

<210> 1959<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga
60gaaatggaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc
120tttttaagaag taacagccac ttttaaggat ttggagttct gtcatgcaga aggatcagat
180ttgacttgac cagaaggaac tagggctcagt ggggtggaagt ttaaaagaag cagatttcaa
240ttctctttca agataaattt cttcaaaatt gtgaaaatag aatgagttgt tttgggtggt
300aggctgttcc tgttcactga caagttgggg attctagagt agaggaatcg tactgaagga
360gaatttgagc taggtgtctt caagttacct ataaactttg aggt

404

<210> 1960<211> 405<212> DNA<213> Homo sapien

cgttgctgtc ggaacattta tattgttatt ctttgggct attggtgtgt ctcacaggca
60aaagtgtatt tggctaaaat aggtcagat gtatttgcgt gcccgcgtgt gtgtgtgtgt
120gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatatttttt
180gcgctttgcc tactatatga gtgataatca tgtgtttact aacaagtcga tgacctggct
240gtattcataa taccatttaa tattggcgtg agtgttctcg cttgacaaaa agaggcctcc
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg
360ctattggcga gagaggtctt ttgtgggagc ggtgtctcgt gcgtc

405

<210> 1961<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggttaaaata gcccctgat gagccaggca ctctgaggga acacagatta
60cttgagtctg aacacgccag acttctccac aggtttattt tggagtggaa agtatgcaga
120acacaaatta naaaattcaa tcttttgaga gattaaaata ggggaaggcta ccaactgaatt
180tctggaattg cttttcaggt ccaaacgtta tcttaacctt aggcaagctc tctggccagc
240cacaccatc cctggtaaat gttgtaggac agagaccccc cccagagccc tgttgccctt
300tctgtcatg tttctacct tccatgcccc agtaactgt tgaaaccaga gaatgggtca
360gggaagcccc atcccactcc cctgaaaata tctgggagac tcttgggtga gggacc

416

<210> 1962<211> 409<212> DNA<213> Homo sapien

ggcagcagca ncnnncnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt
60ttctagggca aacactagaa tattgtacct ttgtacct gataccttat caatcaatat
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata

180gaagcaggta aatgtttact aaatgaaggt acacagcggg cttttggaga ggaaatagac
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccgttt
300cctcattttg tgatccaaag agtaaaccatg taaaaccagc caatcttagg ttatattctt
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtctgga

409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cgttgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtgggtg
60gggagagaat gcacaaacac tgcaggtggt ttgtatattt gactggtgaa tttcatagtt
120gtttttcttg ggttacttan aatttgagag tccgtgagaa gcattaggaa gaacattact
180gagaaaaaag gaggggtggg aagcccttag acttctcccc gagggtatcc ccgctgcagt
240cttctttaga tgtttggatt cccagtcct cttgttttga ggcgtgatat aaattcagcc
300ttcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gaggagacgg
360cagttagcag acgagaatgc ctgctcttct ggagccacag aaaatata

408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctcttcatec agggccaccc
60cctgcagtat tgagcaccag ctgggtccctc tagggagaga ttgacaacag cccggacctt
120gccccctgcc tattccatct gaatgtcgca tegtctgttt ctacttaggg gccgcctctg
180tcactctact agacatttga ggaacctcct gcctggggcc tctgtttctc acaggacagg
240gacactgaac tgcgtcagcc tcagctcacc cctccttagc ccaaggtctt cctcatgctt
300gccacctact agtcatactg gcctttttaga tcctgaagt gttgttcaa tccccggatc
360attgagtccc acccccagcc ctctgctgcg gatcactct taan

404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat
60gatgacagag gaacggtcct tgatgatgca tccctggaag acctgggagc caggctctggc
120tccttgact gtatcttccg tgctccagtg ggagtacaga ctgagaggga gaagggggcg
180gggtagagat gcaccccatg tccgtatggg aatcactcta cctctcattt ccttcaatct
240ttcactccta aatgtctag taaacctttt agtctgttct attctgcatt cattcccttg
300actttcagcc cttgtaattc acattgtttg gctgggatca ctgccttcac aaaaggaaaa
360gacttctccc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g

411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaagactt cagttagatc ttcattgaacc tccagtttcc cagtgcgtac
60agtgggtaga tgaagctaaa ctaaaccaaa tgaggcggga aggcattcgt tatgctagaa
120ttcagctttg cgacaatgat atctacttca tccctagaaa tgtcattcat cagttcaaaa
180cagtttcggc ggtgtgcagc ttagcctggc atataaggct taaacagtac caccctgttg
240tggaagccac tcaaaacaca gaaagcaatt ctaacatgga ctgtgggtta actggaaagc
300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn

416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgtt
60tgtactatga tgagaagaag agggccagtt tccacaactt taagtcgcg tccagcaggg
120aagaaatgaa atttcatgag ttcgttgaga aactgcggga tatacagcct cgacgagggc
180aagagaggtt gtatctgcag cagacgttca atgacactgc ggtcaggaag attgacatgg
240acttcttagg ttttaactgg aactggatta ataagcaaca gggaaagcgt ggttgggggc
300agcttacctc tatcctgctg ctcatgaca tggcaggaaa tgtgacacct gctcactatg
360atgagcagcg gaactttttt gctcagatac taggtgacag acgag

405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacggtgcc aggctgactc accaagggt
60aagattgctt tacttagtag cctcaagccc aaggaactga ttgtgaaac cacctgaata
120aacaggaggg aggaagaggt aatctgttc atctatacat catataagcc tctgttaggc
180gctgcgcaat ctatcaaccc cagccctgcc tcccatagg aaattccttt attttcaatt
240gccacataca tagatattcc acggttaat atacaagcaa atgtgtatat tttttcaagg

300aacagaaaaa aacagtccat cttggctggt ccctatggac cccagcccc actccttctt
360caacaaagtc cctgattttc tcaaaagttc gaaccaaaag ctggaagcgc tn

412

<210> 1969<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta
180cttgggtggt ttaatttaac cgttctgaat atgaacaaaa ggttttggat ttctaaaga
240tcagtggtt tttctgttca tcagggttaa tatttctaac tatattgctt gtaggtgacc
300ccattctgga tttgtttggg ttggtttggt tccagttaa agagaggaca ggaactaaat
360gggctaacc acttcagggt cagcttctgc gaggtagat ggttctc

407

<210> 1970<211> 407<212> DNA<213> Homo sapien

ctcggcacga ggcgaggcca tgtggacccc cacacctttg gggccggctg ggcaaacctt
60gaacccccaa tttctgctg gcctttggct gccctccttc tccaaggcgt gactcttact
120ccagagactc aggcgagcac gtgtccctta ccttattttc tctcaatcaa actgaaaccc
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240cccgtgcccc ggacaggcca tgagccagag atacaagggg cccacgcaa gatgcagggc
300tctctgctcc tggctcttta tegtctcgg gacaccttt gtccaaactc aaggaatccc
360gggaggtctg gctttgcgc tttggctggg actcaggtac ctgggcg

407

<210> 1971<211> 417<212> DNA<213> Homo sapien

gggatttgtt ttcggcacga ggggtgatgc taggatggc ctttatatgt gtccctggcct
60ctgcaggctt agggggcagt ttgaaaatg agggaggaa gtgcttctgt ctgcacttg
120ctgggtgctg gacactgggc cgagcaccag tccctcctct tctgctaga tgctgagtc
180ccattttaca gatgagcaaa ccaaggctca gagatgcggg gtcaactcat caagaccaca
240gatcagaggg agccctygcc tgaagtgtt gctgggctgg ccaaggccct ctctggaccg
300ctgtacttca ccaactgctcc cccaagccca gcctgtgccc ccttggtcag accccggtt
360gccctctgtt ttggaaccca tgggaagaca gacctcatgt gaagggggct tcccaag

417

<210> 1972<211> 417<212> DNA<213> Homo sapien

nccggcacga gcggaacccc tgetcagtc tgcggggcac tgcattgagg gaccgtccgc
60tgaccacaga gacctggggc tgctcacc cctctccaga cccacagcca gctttgtttc
120ttgaatgtgg aagatgtttc ttattccctg aagaaagggg gcctgccaca cacagcctgg
180gaggcgccctc atccagaaac tgggacttgg ctagcccggc ctgggccccta gggacttctc
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300tggaaggtgg gggnggnnn nnnntgnnt nnnntttnnn ntgtnttttt gtggtgttg
360nnngnttgtt ttnttgnnt ttgttaggcg aggggtggtt ttgctttgtt ttgggtg

417

<210> 1973<211> 409<212> DNA<213> Homo sapien

cgttgctgtc ggtttccttg gtggaatttt ttgttctctg ctgctactgt aaaaacgaaa
60tgagtgggcc tgetcaggtt ccaatgatgt ccccaaatgg ttctgtgcct cctatctatg
120tgccctctgg atatgcccc aaggttattg aagacaatgg tttctgaaga gttgtcgtgg
180tccctcaggc accagagttt caccctggta gtcacacagt tctccaccgt tctccacata
240tccctctacc tggtttcatt cctgtcccaa ctatgatgcc gcctccacca cgtcatatgt
300actcaccctg gactggagct ggagacatga caacacagta tatgccacag tatcagtctt
360cacaagtcta tggagatgta gatgctcact ctacacatgg aagggccag

409

<210> 1974<211> 412<212> DNA<213> Homo sapien

tgacaagcca ctgngattt cagcagagat cccatcgatt cgcagtaaca ctggactgga
60tcggtacact cggcttcaag tgtggctgcc gggaaactgc ttccacaaa tacatctctg
120acggtcaggg caccagcatc agccctctga aggagctggc gtgtgctgac gactgcttgc
180ccctgccagt gctccctaac tggattggag gaggctatgg aacaaagtac tggagcagga
240ggagctcccc ggagtggcgg tgtgtcaatg acaaaaccg gacctataga atccagctgc
300agagccaaga tgggcagaca cgcacctacg aaatcacagt agtcactgcc tgcaagtgca
360agaggtacac ccggcagcac aacgagtcca gtcacaactt tgagagcatg tn

412

<210> 1975<211> 408<212> DNA<213> Homo sapien

ggcacgagag agagagagag agtgtgagtt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagcg
120ctctcacaca cgcgcgggggt ttttgtgttc tgcgcctccc tctctttttt gtgggggggc
180gctctctctg cgtccctagt cactctcacc cctctctgtc tttttttgtg ggcagacgct
240cccacacaca ctgtctctct ctctctctgt gtgcatatat atttctctgt accgagcggg
300tgtctctttt ttttctctc cctaaaactc tctctttccc gctctgtgtt tctctctctc
360acacacacac acacagaggg gggtgtatct ctctctctct ctctctct

408

<210> 1976<211> 423<212> DNA<213> Homo sapien

ggcacgaggg ggctatggcg gaaacaaaag gagatgaggg caggggcact ttaggaagg
60actgaggctg ctggcagtgt cacatgactg ttgagaagaa gggaatttgt tagcaagtgg
120ttacatttag taggaaaagt gttgagggca tgggtttgga ttaaaggagg gagttagcaa
180ttgaggagga agtgaaaatt gggcaaaaaca ttccttttgg aagtttgat ggtaaaagga
240agtgtagggt agaacaaagg taagtctgag aggtaagaga gaaggaaacac actttgggct
300tggcctgaaa tgagagggaa tgaggaaaac tgggtagagg gcaaggatgc tccagcctgg
360tggctctgct ctccaagagg aaggaataga gctttagaag tgtggatggc cagagttcac
420ggg

423

<210> 1977<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tattagggat aagctgttaa ttttttacag gtgtggagga tatttcaa
60acatcgtttg cctttgcaat aacatgcttt catttcttcc agtctcttcc tccattccct
120ttaaaagtctt ccccatcata tcaatgatct caaaagctag atttgtcttc attttagccg
180tatccctaaa accatgcatt ggtctggaca ggagttgacc catattccct tgcagactgg
240tcaatccatg ttctctgtta cagtaaggac cagcdaagct tcagctgtcc cattcctccc
300cctacaacac acacaccttt caagcagggg gagagatgac ttccagcccc aagagtggag
360gctgccacat cctaacatat tatctattga acaggaagca gtgcgtatcc atg

413

<210> 1978<211> 404<212> DNA<213> Homo sapien

ggcacgagga gactgaggca ggagaattgc ttgaaccag gaggtggagg ttgcagtgag
60ccgagaccgc gccactgcac tccagcctgg gcaacaagaa cgaactctg tctcccaaag
120aaaaaaaaa agaacttaag gtaaacccag gccagggatg gaattgacct cttacaagtc
180atgtgatctt ggacagacac cctctaggga acttcataat ctcatattgg aaaggggaat
240aaatgctccg acttgggact gccactggga ggaggacagg tcatggtgtg tgaaggagca
300ggggccacct tcgttcacgg cgcgctcagg gaatgtgaaa tgtgggtgtg aaaaaatgtc
360ccttgactcc gcccttctct cccttaaaac acacgcacat gcac

404

<210> 1979<211> 405<212> DNA<213> Homo sapien

ggcacgaggc agcaccagct cttgggctg ctgtctgtct ataccggcc tagctgtgga
60cctgaggcct tgggccatct gctgagccga gccgaagcc ctgaagagtt gattttggcc
120accagttat atgcagggtc agtggtcagc ctctctggcc tctgcccct ggctttccga
180agctgtctgg ctcggtgtga tgcagggaca ttacagctc ccttcacggc ccggttccctg
240cgcaacttgg cactgctagt acggtgggaa cagcaggggtg gcgagggccc tgcagcccta
300tggggcgact ttggggaatc tgcctcagcc catctgtctg acctggctcc tctactgcta
360catcctgagg aggaagtaac tgaagctgct gcctctctcc tggcc

405

<210> 1980<211> 407<212> DNA<213> Homo sapien

ggnacgaaaa aataccaggc ccagggccta gcaatgtatc ttcaggaaaa cggcattgac
60tgcccaaat gcaagttctc gtacgcctg gcccgaggag gctgcatgca ctttactgt
120accagtgcc gccaccagtt ctgcagcggc tgctacaatg ctttttacgc caagaataaa
180tgtccagagc ctaactgcag ggtgaaaaag tccctgcacg gccaccacc tgcagactgc
240ctcttctacc tgcgggactg gactgtcttc cggcttcaga agctgtaca ggacaataac
300gtcatgttta atacagagcc tccagctggg gcccgggcag tccctggagg cggctgccga
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407

<210> 1981<211> 419<212> DNA<213> Homo sapien

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120agaaatgatt cagaaacitc aaaatgtatt ggagtctgag agagagaact gtgggcttgt
180cagtgaacaa aggcataaac ttcagcaaga aaataaacag ttacggaaag agactgagag
240tttaaggaa attgccctgg aggcctcaaaa aaaagccaaa gttaagatca gtacaatgga
300acatgaattt tcaataaagg aacgtggatt tgaagttaa ttgagagaga tggagacag
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419

<210> 1982<211> 415<212> DNA<213> Homo sapien

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120tcttgaatgc atttattctt cgcttctgt caaaggaaat cgttggcgta gtaaagttaa
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240gtctcagtgg gggcacccag cgagactgga gccagaccct caacctgctg tggctaacag
300tccccctggg tgtgttttgg tcttattcc tgggctggat ctgggtgcag ctgcttgaag
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415

<210> 1983<211> 407<212> DNA<213> Homo sapien

ggcagcagggc gtcttctcgc cgctgctctt cgtggcccaa cgccccaatc cttgcgtgtg
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120cccaccctaa accgcctacc cgggtgtctg tcccgcgccg gttgtctctg cctgctgctg
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240gaccttccgc aagatcctgt ctcacttccc cgaggagctg agtctggctt tgcctacgg
300ctccgggggtg taccgccagg cagggccgag ttcagaccag aagaatgcta tgcctgactt
360tgtgttcaca gtagatgacc ctgtcgcctg gcattcaaag aacctga
407

<210> 1984<211> 411<212> DNA<213> Homo sapien

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120gtcttctatg ttcaagatta tgccaacagt taagaagtaa aaggaagttt ttcggaactg
180tgccaatata cagattgcat aggcgagttg tcattacagg cattggctta atgactctc
240ttgggtgttg aactcacctg gtttgggacg gtcttatcgg aggagagagt ggaattgttt
300cactgggttg tgaagagtat aagagtatcc ctgagctgt tgctgcttat gtgccaagag
360gtagtgtga aggtcagttc aatgaacaaa actttgtgtc caaatcagat n
411

<210> 1985<211> 414<212> DNA<213> Homo sapien

gtactctct ctttttgcgg atcnnnncat gagattcggc acgaggggggt tcagaggggt
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120aggggggtca ataggttcag tgtttgagat gccaaaggaa cctgtctttt gatttgggggt
180tcaacataca gaggtagcag tcaccattat gctcaaagcg gtyatcctga ttggaggccc
240tcaaaaggga actcgcttca gacctttgtc ttttgaggcg cccaaacctat tgtttctgt
300ggcaggggtc cctatgatcc aacaccatat tgaagcctgt gccaggtcc ctggaatgca
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414

<210> 1986<211> 413<212> DNA<213> Homo sapien

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120cataagttgg aggttctgga atctcagttg tctgagggaa gtcaaaagca tgcaagccta
180cagaaaagca ttgagaaagc taaaattggc cgatgtgaaa cggaagagcg aaccaggcta
240gcaaaagagc tttcttact tcgagacca agggaacagc taaaggcaga agtagaaaaa
300tacaagact gtgatccgca agttgtggaa gaaatacggc aagcaataa agtagccaaa
360gaagctgcta acagatggac tgataacata ttcgcaataa aatcttgggc can
413

<210> 1987<211> 409<212> DNA<213> Homo sapien

cggtgctgtc ggcgaggttg ggtaggcgtg caaggcgggc gccgaggttt gcaaaggctc

60gcagcggcca aaaacccggc tccgagcggc ggcggcccg cttccgctgc ccgtgagcta
120aggacgggtcc gctccctcta gccagctccg aatcctgatc caggcggggg ccaggggccc
180ctcgcctccc ctctgaggac cgaagatgag cttcctcttc agcagccgct cttctaaac
240attcaaacca aagaagaata tccctgaagg atctcatcag tatgaactct tataacatgc
300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga
360tctcaatgaa tggattgctg agaacactgt ggatttcttt aaccagata

409

<210> 1988<211> 418<212> DNA<213> Homo sapien

ggcacgaggg catataagat ctattatgtc tatggcttca tgatgctggg gctggttatc
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120gattacaggt ggcaatggac aagttttctc tctgctgcat caactgcaat ctatgtttac
180atgtattcct ttactacta ttttttcaaa acaaagatgt atggcttatt tcaaacatca
240ttttactttg gatatatggc ggtatttagc acagccttgg ggataatgtg tggagcgatt
300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag
360agacccaaga aaacctggaa ctttggatca atttctttt cataggggtg gaacttgc

418

<210> 1989<211> 420<212> DNA<213> Homo sapien

cggtgtgtc ggtcattttc tgcctctgtg gcaactgttca gaggatatca cgggcccctt
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120ggcagacctg tgaatgtctg tgtgggaaaa gagtggatc gatttcccag cagcttcctt
180cttcttgaca attggcagct tcagttcatt ccattcagagt tcagaggcca gttacaaaa
240ccttttgcag aaggacctct ggccaccggc attgttctta ctgacatgaa tgaccagaat
300ctagaagagc catccagata tattgatata agtaaatgcc attatttagt ggatttggac
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn
420

<210> 1990<211> 412<212> DNA<213> Homo sapien

cggtgtgtc gtgaatttac aggtggcgc cccgcgcct agcgcacc cgggcatgga
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120caccatttgc caggaacgtt tggaggatac gcatttcgtt cagtgcctt ccgtcccag
180ccacaaattht tgcttccctt gctctagaga gagtatcaag gccaggggg ccaccggcga
240gggtgtattgc cccagcggag agaaatgcc cctagtcggg tcgaatgtac cttgggcctt
300catgcagggc gaaatcgcca ctatcttctc tggggatgtt aaagtgaata aggagagaga
360cccttgaacc actgggcagc cacctcctt gccctagacc agctcctctc cc

412

<210> 1991<211> 415<212> DNA<213> Homo sapien

nncncgaggg aagatggacg cagctactct gtctacgac actctccggg ttgctgagtt
60tgaagatttt cctgagacct cagagcccg ttggatactg ggtagaaaat acagcatttt
120cacagaaaag gacgagatct tgtctgatgt ggcattctaga ctttggttta catacaggaa
180aaactttcca gccattgggg ggacaggccc cacctcggac acaggctggg gctgcatgct
240gcgggtgtgga cagatgatct ttgccaagc cctgggtgtc cggcacctan gccgagattg
300gaggtggaca caaagggaaga ggcagccaga cagctacttc agcgtcctca acgattcat
360cgacaggaag gacagttact actccattca ccagatagcg caaatgggag ttggc

415

<210> 1992<211> 383<212> DNA<213> Homo sapien

ggcacgagaa aaatttcaac caaagaacag attcttctcc agccaaccat gtcccgcac
60tcagaagggg ttctatgctt ctactgataa gccaaactta catcagatcc aatacagatt
120tttttaagat aaaataccat ctctactgga cctgtttagt ggctcaggct gccctcacag
180gacatccctg agaccacct gtcactcttg atgttggaa cagggccag gccgtcctc
240cattgtctcc tgcctccta gtcccagga gaggaaaaga aatactgtt tagagaaata
300acattttcaa caaacatcc ctggagtcag attttgagtt ggggtgggct aatcaggag
360tcggggctct ctgctgatg tgc

383

<210> 1993<211> 401<212> DNA<213> Homo sapien

ggcacgagcc tcggcctcct aaagtgtgt tattacaggc atctgccacc gcaactggcg
60tatccctaga aatcctatga tagcatgatg tataggcacc taaaggcatg gcaattgaga
120aatgtgaata ataattgtcg gtctctctc atggttcggg agagggaac agtctcacc

180cctaaatgtc accttgaatt acagcatgtt atataagcac atcctggccc ttccttgaat
240ggggatcttt ctttctcacc aaatattgat ccttttccct tcagagaaca ttgtctttt
300tgctctcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt
360atgtcccccg cccctcaca gagttggtgc gtctgtgatg g

401

<210> 1994<211> 385<212> DNA<213> Homo sapien

ggcacgagac caagaacact tcagtctctc taaggatgcc ctgagctacc tcactgttaa
60aggacgacat caacacagaa tgcactaaac aggaataag ctgtaatcta gagaatttcc
120attatgtgtt actttttggt gactaacatg gaatgttgaa aaggaagagc tggaaagctc
180agttgttttc cttgttcttc tgacattgtc caggcaagag ggcacctga tcagatgagt
240agatttggtc gagaaaaacc ctagagtaag gcaggcactt tgtggagggtg gatgatgatg
300gctcataaaa acgtttgttc tcagtcacgt tcagggctct gccagcagtc tttcagattt
360gaactgctta nacaaacctt acaga

385

<210> 1995<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gggagtgcag actgttattg tattgtgttc ttgtgcaaaa aaacccagg
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120tagttttgac acctgggtgag agatgtgaag tgttccttta ttacttata tttatttatt
180tattttattt aggcagggtc ttgtctgtc acctgggctg gagtgcagggt gtgcgatcat
240ggctcacttt accctccaac tctgggctt agacagccct gctacctcac cctcctgagt
300acttaggaca ggagacgaac cgcacatgc ccacccatc ttattatgat tgcttttatt
360ccagaacat atccccctat gaggcgacag tcgccc

396

<210> 1996<211> 383<212> DNA<213> Homo sapien

ggcacgaggc tttacttttc aaacatgact attcattggc atcatgtgag tttttgttt
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120ttttaataaa atgttatggt ttggtgtgt cctacccaa atctcctctt gaattgtagc
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240aggtctttcc catgctgttc gcatgatagt gaataagtct catgagacct gatagttttg
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383

<210> 1997<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggagtcattc tgcctagata ttggagctaa aatacattgc agaaatttgt
60tttagactag tctcttatgt agattgtgtg ggtttatgta gaacattttg tgttcagaat
120gcttttatta accttcttca tggtagctt gagaggctgt ccttatctct tactgatgat
180tagactgaga caagtggaaa gtaaagggtta gacaagatgt aaagtgtgtg gtttgagctg
240tgatgagcac actagggagt tccagatacc agtttgatgc ttattcaacc atttaggtta
300tcggtctgcg agtttgtttt ctgcagtgtg tgcataacta gtgttttgc ctcttagagg
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388

<210> 1998<211> 399<212> DNA<213> Homo sapien

cgttgctgtc gaagagctct ggcggttaca gacactgcag gaggtggccc tccgggtggc
60aggtgtcct gtgggacccg cctgcttctg tcccaccagt gcccatgtgg ctgtaagaaa
120tcataacttg gccgggcgcg gtggctcatg cctgtaatct cagcactttg ggaggccgag
180acgggctgat catgaggtca ggagattgag atcaagacca tctggcggc tgggcgtggt
240ggctcacgcc tggaaatcca gcactttggg aggtcgagggt ggggtgatca cgagggtggg
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399

<210> 1999<211> 398<212> DNA<213> Homo sapien

cgctgctgtc ggtaaactg cagaggaata aagcccga aaactacctac cagtggttct
60ctagctggtg gaattgtcag tgattttaac ttagctgct gagtctttt gtacatatcc
120aaatttttaa aataatgaac tcccacaact ttaatacata gacatgattt aacataaatt
180tgacatcatg acatgacaga ttgaaactgt aatgggcccag atggcacggt tttacattgt
240ctcctagctt ttgccctata atcccaatag caagagtggg gagagagtga aaataggatc

300ttggagaggg actttgacga aattgggagg agatgaaaaa gccttgagtg ctggcaaagg
360aaacacataa gtgtcgggta tggtaaatgt cagaaggt

398

<210> 2000<211> 400<212> DNA<213> Homo sapien

ggcacgagga gagaaccag ttctaggtac tgtctgggcc tgggaggcga gagcagtgc
60caggggactt ctgggcttac aggacagcgt gtgtgacaaa attcacatct acctgaactt
120gcctctggag atgataaggg ccaaaggagc agtcagggag gggcggtagg ccagagtagt
180cccaggggga gacagattcc tccctcctcc ccgcctgcag ctctctttaa tttttttaa
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300tattctacaa acaattttgt tttctgcatt taaacatttt tgtgttttta ggagatggc
360ttgctctgac actcaggctg gagtacagt gcacaatcan

400

<210> 2001<211> 402<212> DNA<213> Homo sapien

ctagtctcga ggantttttt ttattttatt tttgggtccc caaagggaaa atttttttt
60tgccctttaa aaaaaaaaaa agccccaaaa actttttttt tttttcccc gggaaggga
120gtttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaatt cccccacca
180accgaaaatc ccaaaaaaat tgggaaacag gggggcccc cccccccctt cccccccctt
240taaaaaattt taagaggggg gggcccaaat tttccccg gcggaattta aaaaccggc
300cccaaaggaa cccccgggtt tccaaccctt aaaagggggg gggaaaaaag gggggcccca
360aacccccccc ctttaaaagg gaaaaaattg gggaccccc ct

402

<210> 2002<211> 402<212> DNA<213> Homo sapien

ggcacgaggt gacaactgat tgggccttgt aggtatgatt ggatttagcc aggcaattaa
60ataggaaagc agatactcat gacagattaa aacagcttga gagaagtga atgagcaagt
120gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagt attgtgatga
180agcttgaaag attgcctggg gccaggctgt tgaaggcttg gtttgcctag ataagtcaa
240tgacgtagac aatggatagt catcacagat tttgtacat gggacttcac ataccttaat
300tgaatatcca tctgtgtaca aatattgttc aagcaatgta ggaatcaagg gaataaagg
360ttattctgat attatagac atataacagc catgtaata tg

402

<210> 2003<211> 401<212> DNA<213> Homo sapien

atcggcaccg agcctgagac ttagaaaccg cttatttgtt taaaaccac ctaagagct
60cacaccatta gggagaagca ccatgtgaa tcatttcaca gttttcaact ctgggaata
120atggagagag tttaaaaatg taaaacttca gctatttttg ggctgaactt gcttacttga
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240tctttactat tcagatccaa gcttcagat ctacttgatc ttcatgttct ttaaacatt
300cgaagatgt caactgagag aaacatttca gaggggggag gcttttgga ctggtgataa
360acatccctcc aagagaaccg cctggggttc tcttctattt g

401

<210> 2004<211> 400<212> DNA<213> Homo sapien

ggcacgagac aaaatgctct cttgatctta ttgcctcat ctctctcatg gttgtacaga
60ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgtgcct gctgcaggg
120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggttaa
240tgaaactggaa tctgcataac tcagcagtc acccagaagg gaaatggtta aactgagctt
300gttattgcct cggagagcct aagagcacc gcacacttaa ttctactccc tgtctagaaa
360agctgtcagg gagtctttg gaattgcaat gtagttatn

400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttgtg aaattacatg caattagccc tcagacagcc tgaatcgaga
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120tcacgtaaat ttgctgctgt aactggatct tcccaagcca caagtctgag aaatgggtgg
180cactctgacc tgaccactag attttcagga tattctcctt aagagaggta tcttgcttc
240taagtgaccc ctaaaacaga acctaggaaa ctctcagcca gataaattag aaattgatc
300taaataggct tgtgcccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga
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382

<210> 2006<211> 382<212> DNA<213> Homo sapien

ggcacgaggt tgggaagggt gtagtgccct aggttggtga cagaaggagc agacacttgt
60gcacaggtgt ctttggtgat ggggtttttt tttttataac ttagtaaaaa aaaaaaagg
120tttgggaaat tttgtttttg ggaaaagcta aaaccaggt taccttgagg gggcgcaggg
180ttttctttcc tgccctttaa atctcttga aaataaaaaac ctggcacttg ttgatggtgt
240ttccaaaccc ccttaatttc caaaaaaac cccaagtta aggtcttaat ggggagggga
300gggcacgttt ttgacacatg gaaacttct taaggagggc ctccctttcc cttttcccta
360aaagttttaa agtgccgttg gt

382

<210> 2007<211> 386<212> DNA<213> Homo sapien

cggtgctgtc ggaacaagggt aagacacatt taatatatct gatcaagtgg tcttgtccaa
60aaaatgtcct gatacatttt tttaaactaa taaatggagg attgcagact tactgaatat
120ggcaggatcc tttagcatgt aatactttaa aatggatcca cactgaactt ctgctggatg
180tactggagta agagtggcca gatttatctt cctctctcaa acaatgcaaa aaccagacaa
240ggtatataac ataagagttt ttagacacta gacaatactg ggcaagtgtc cctgagagaa
300aatgaatgag gcacccctac aatttccata gcattctgcc tagatagctt ccagtctgta
360gtctgcagga aggagatcca aaacag

386

<210> 2008<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgacctc aggaggaaga
60ctgcaatgca tttagcagga aagagtaatg tttcttaaga aaaaaatgaa acaatgaaaa
120tccactaaaa tctgtctcaa ggataatatt ccatgactct acagggctta atgcgtgtga
180catatataga cttctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggtcat
240aggactttct tttaaagtaa aataaatagg ccaggcacgg tggcttattc ccgtaatctc
300agcacttttg gaggccaagg caggtggatc acttgaggtc aggagtttga gaccagcatg
360gccaacatgg tgaaaccccg tctctacaaa aatactt

397

<210> 2009<211> 396<212> DNA<213> Homo sapien

ggcacgagge tatcaatgta agatacatatc tcagattttg aagactagta ttacccaaaag
60aatgtaaaa atcacattaa taattttata ttaattacat gttcaaatga tattttggat
120atactgaatt aaacattaa aattagtctt acttgatctt tttactttt ttaatgtggc
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgctgctc
240tagaacatta tattaagtgg ttattattga agtagaccaa agtttatacc ataaggatat
300ttttccttaa ataccatgtt tgaagaacaa ttattttatt atccttgaat ctgtaagatc
360aaataacaag tctctatcca tgttaccaa tttaan

396

<210> 2010<211> 394<212> DNA<213> Homo sapien

cggtgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtggtgg
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180cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc
240ctgtctctac taaaaatata aaaaaatta gccgagcatg gtggcgggca cctgtagtcc
300cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgcaat
360gagccgagat cagccactg cactccagcc tggg

394

<210> 2011<211> 396<212> DNA<213> Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat
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120ctttcgcatt catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg
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240ctagtcccca tgcattgaca gctgatttac attcttgcgc cagctcctta tctcatagta
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaacte
360aaccaaaggac gatagaactg tatacccccag tcaatn

396

<210> 2012<211> 385<212> DNA<213> Homo sapien

ggcacgagag tgagtcctatg tattagggat aacagaagga aatcaagcac aaacttgctc
60ttttatttaca ataaactcca tacggaattt gaattctaaa gttaacaaat caatgaactc
120catgtaaaa atgtctttaca tggataaatg gaaaacaatc gatggctcctt ttcttaaaaa
180ccaatttttc cccattgtaa tacctttttt tttttttaa agaaaatctc gctctgtttc
240cagggctgga gggcaacccat ttccatgtaa tatgtacttt ccccgaggac tgccagaact
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385

<210> 2013<211> 402<212> DNA<213> Homo sapien

ggaaacgaag tttttgggag aaatccgttt gataaagcct tggcggcttc gaggtcatgt
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120gcaacaggaa cacaggcagt ccagtcgtcc tgagatactg ggaggagcat ggttgctttt
180gaacacgtag gagataaagc ctctctaata atgcctgttt ttttttccct cactctgtct
240cccaggtgg agtgacgtgg cacgggtgctg cctcactgca acctccgctt tctgggtca
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402

<210> 2014<211> 397<212> DNA<213> Homo sapien

ggcacgaggg acatggctct gctgggcaaa gcaaggacgg gcacatccaa cctatgcggt
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120ccatggtaat gttagaaaaa gggccagcgc ctccagaaaa tgggaccca ggcctggctc
180tgctccttct gctgtgtgat tctggttgag tggccttccc tttgagcct ctggatgaag
240ctaaggagaa gtcttggggt ctcaagtagt cactattcag actctcgctt tcagagtatt
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360gccaccccat ttgctcccag ggctgggtgt ttgtctt

397

<210> 2015<211> 396<212> DNA<213> Homo sapien

ggcacgaggg gaccctgctc gccagatgt gctcctggac atttgcccag cgtcctactc
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120caactgcccc ggacaaggcc cgctccaaca aagggtcctt ggccttgnnn nnnnnntann
180tgngnnntnn tgggaagttg agtgggtggg tntaacctat acaggtttct ttaactctgc
240tttagctcgg gccctccgt tttttttcc ttgaatccga gacgggaata ccgtgggctt
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396

<210> 2016<211> 392<212> DNA<213> Homo sapien

ctgcctcagc ctttcgaacc ggtgagacta caggcatgag ccacctcgcc ccgcccag
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180ttaccatttc gagctttgcg ttattagata gtgcatgagg ccttctttt aagaaaatga
240atcaagggtc gaggtctgta atagagtatt aatttaaaag ccaactcttc tccctggaagt
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392

<210> 2017<211> 389<212> DNA<213> Homo sapien

ggcacgaggg ccgctggcta tcttggggga gccagctgtt ggactatgcc ccaactgccag
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120caaaggctcg gaaggggcgc tgggagaagc ggggcagcgc tgagccatgc tcgcgaactg
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240tgagcttgtg acagagcgaa aactacaatt ccagcattc ctgtggtgcc agaactacct
300tgcccgaag cctgtgcgag atttaccctg tctccgctt cctcccacc ggaaaactct
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389

<210> 2018<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aaagaggagc gagaatcaga tagtgagggt atgatgggac tgggtggctaa
60acagagaagg agaggtatat aagatcactg gaatgggaat ggttggtttg gaagtagtga

120agtttaggaca caaggggtgaa ctgcttttggg gtttgtatcc attctgttag ccttttgtat
180ttaagggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa
240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat
300ctctagacct agagggttttc tctatttctc cttttcactg tgaccaggga aataatttcc
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398

<210> 2019<211> 400<212> DNA<213> Homo sapien

gttgctgtcg attttaagaa gaaatttaat tgtatttagc tctgtgtctc gcccctttgg
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120tagcacaaat gtttttggtta agtatcttaa aactgatgga tggataggct ggggcagcat
180ggctcacgcc tgtaatccca gcactttggg aggccaaggc ggggtgaatca cctgaggtea
240ggagtttgag accggcctga ccaacttggg gaaaccccg tctactataa aatacaaaaa
300ttagtacagg gtgggtggcg atgcctgtaa tcctgtctac tcaggaggct gaggcaggag
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400

<210> 2020<211> 397<212> DNA<213> Homo sapien

ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggg
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120ttcattttcc cgaattttca tactgtcaa ggaacagttg ggggggaatg ggcagaaggt
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240gtagagccat ggtagtagtt agtaccatg ggtttttgct gcttctactc tttcttaaca
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397

<210> 2021<211> 391<212> DNA<213> Homo sapien

cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact
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120ctccaatttg gttgttaacc ctttggggcc caaggtttat ccaacccag agggattttt
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391

<210> 2022<211> 391<212> DNA<213> Homo sapien

ggcacgaggc ctggaggctt ttcagggtgc ccagcgtggg gtccctgtcag cttcctcttt
60aggaaccac cagagggcag caggtccctt tcaacttcgt agtaagaacc cctccgtttt
120tgtgtgtttt tgtttttgtt tctggagac aaggtcttgc tttgtcacc aggctggagt
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391

<210> 2023<211> 389<212> DNA<213> Homo sapien

ggcacgagct tagctgagct tgttgatatt ctatcctat gttctgtcca ctcatggctg
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180gttgaatgaa caatgaatga atatttgttg aatgaatgca ttatccact tggagcaat
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389

<210> 2024<211> 387<212> DNA<213> Homo sapien

ggcacgagga aagttttgcc ttggaagtac aagaccatgt cttccagata ccagccccag
60attacettca gcattggggc ccagctggag acaacgttga tcataatgaa aaggactgtg
120ttttcaagaa ccatactgag gatgaatccc tagagggaat tcagccccc gtgggggagc
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240aaacagaagt tctaagcatc tgctttaatg agaaggggtcc tgttcatgcc atgcctgtgg
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387

<210> 2025<211> 386<212> DNA<213> Homo sapien

ggcacgagggc ggcctcctcc gcgcctcgcg gcatggcgtc ggaggggccc cgggagcccc
60aaagcgaggg catcaagtta tcagcagatg tcaaaccatt tgtccccaga tttgccgggc
120tcaatgtggc atggttagag tcttcagaag catgtgtctt cccagctct gcagccacat
180actatccgtt tggtcaggaa ccaccagtga cagagcagaa aatatatact gaagacatgg
240ccttttgagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat
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386

<210> 2026<211> 383<212> DNA<213> Homo sapien

cccttttggg gagggcgacag ggggaattga ttttaaatac tgttttcgcc tcatcaaag
60tcaccatcca gtttagctac tggattcac tggatttctt caaattggag tgcgaatgc
120tttaggtttt gaaaaccgcg gcattggaaa gctttgatag gaagtaaag ttggagctct
180tattttctcca gttagcaaat gttcgatgcc tggatatact ttagggcca aatgaacaga
240atagaaaccc tgctttgaag gaaaaaaca ctgaagagaa actacacgta attagtatt
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360acagtgttg ggtaggctag acg

383

<210> 2027<211> 384<212> DNA<213> Homo sapien

cgttgtgtc gcttgcttt tacagagcca tgaagcagca gatgcaaccg aatactgtgc
60agcatgagcc acagacgttt acgggaagaa ccggcaggag gcgccgggaa actaaagggc
120tccagctctc tgagtgttg ctttgccatt gtggctgtgc gagctcagcc tcttgaaac
180ccgccctgag cttggttaac agcattcaact ccaggtttag ccagctcca ggttatcgca
240ggcaggactc ccgagaacag gttcatgtt gcttttggg aggtgtgcg cttaaagtga
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384

<210> 2028<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcggctgga tggctcttat attccaaaac tcaccccaag cctctcctgc
60aggggtggcc agagattgat cccccagggc tgggttaggc atccctggc atgccccaaa
120gcgcctgggt ctctgtcat cacacttagt gtaaggatcc atttactcat ctgcctctcc
180cgccctcttc cttctctcc cctcctctcc cctccttcc cttctcttc ctctcttcc
240ctccccctcc ctctctgagg aacttgggtc agctacagtc aatatctaga gaaggtattg
300gcctagagaa ccttgctcaa tcttaagccc gcacacctgc cgtactttgg gatcaccgcc
360ggaacctta catgctgatg cg

382

<210> 2029<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcagaacta ctactaaga actactcct gtttgtgagg attgtacctg
60ttgagagaag ttgcaaaaag aattagtcaa aagaattagt caaaattgt cctctgacct
120aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga
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240ccatcactat tctgttca agttacactg gtgcctctca ctgacctgc tctgaaaagc
300cagctggaaa aatcaatgca tttagtaca taaattcttt ggctccaaag aatgccata
360gcaatattgc ttttaattca gn

382

<210> 2030<211> 402<212> DNA<213> Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac
60agttatgtc catctcccca cccattttt tttttttt ggatcaccaa aaaaatccgg
120gaaaccagcc tgaggggggg ctgacctgt taggaggggg gcaccaccac agggggggga
180attaacgggg accccgggt ccaaaaagac caaaaagggt gcccttgggg cccaccctaa
240cctaataaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaa
300aaaggatttt ttggccccct ttttaacaa gcggccttaa aatttgaaa accccggcct

360aaaaaaccta gaaaaaaagg ggaggggaaat ggaggggcaaa aa

402

<210> 2031<211> 382<212> DNA<213> Homo sapien

cgtagctgtc gggagggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg
60gtgatgtaac ggatttacag ttttttgacc aggaagaat tgcgctgct tcatcaacag
120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt
180ggactacagc tcaactaccac acaggecctg gcagtccttc ctatagcagt gcaccatgta
240caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggg cgaataaatc
300ctttcagagc tgatcacaag gaagctgtaa gaaccataga caatgcagat agtagtacac
360tccatgctgt aacctttctt cg

382

<210> 2032<211> 401<212> DNA<213> Homo sapien

ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg
60aggtgggttc gtctgtctta gagcctcagg cagtgccaga cccagaagag ggctcttcag
120cacctagaag ctggaaagg atgaacagcc aagtagcttc cagcttacag cagccctcaa
180atttggacct gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat
240tcattggcca tcaggatata ccaggagttg gtaacatcca ctccaggtgcc acacctccct
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag
360aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien

ggcacgagat tctccgggt tatattcatt ctctgcttct ttctcccttc acccgtggga
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120ttttggagat ttctctcag ctacaaatgt tccagtacaa ccaatattac tcctgagggg
180caaagacttt ttcataattta tgtccctagt atctggtatg gcgcctggca tatggcattt
240cagaatatgt tcatagttga aacagtagga tagatatttg tcatcttgac aagtagccct
300ttgcaattta tacttgagtt cactcctggt caatggcaca tggctggaaa atgcagaaag
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien

ggcacgagaa cagaagtgtc tggagtagtt ttcaggtata ggaatgagat gcctcgtggt
60gaaaggatct caccctggga agatgtggtg cccctccag ggctctggag gatggatgcc
120tccccagggt gctctccaag ctgggcattt gggcctggtg gatgccaacc tggataacct
180gtggcccagc attgactgtc caccagcct tgcgttagg caccatgact ccaagatgaa
240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag
300cacaaggcca tgcaggtgat gatacgtcgg aatagaggca ccagccctgg taactgcate
360ttctccctt gccaccccat ggccccggct gaaagc

396

<210> 2035<211> 392<212> DNA<213> Homo sapien

ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc
60tctgtccca tctgcttttg atatctttac ccaaaggcag gtaaccgaa gagccagcct
120ccactgcca cagagccagg ccagttgtg ttggagtata ggtcaggagc tgtggaagga
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240tgccaggcct ctctccactt ccttcctcag catacagact tcatgctatc ttccaattcc
300ggggagtcct agctattagg gcagtttctg ctctccatt ttggggacaa aggccttgcc
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392

<210> 2036<211> 389<212> DNA<213> Homo sapien

ggcaccagat ctttctcaa agcatggttg ctgagtaccc agagttgcga ggagttttt
60aactgattta gccaggtggc aatcatgagt gaatggatga agaaaggccc cttagaatgg
120caagattaca tttaaaaaa ggtccgagt acagccagt agaagaatga gtataaagga
180tgggttttaa ctacagaccc agtctctgcc aatattgtcc ttgtgaactt ccttgaagat
240ggcagcatgt ctgtgaccgg aattatggga catgctgtgc agactgttga aactatgaat
300gaaggggacc atagagttag ggagaagctg atgcatttgt tcacgtctgg agactgcaaa
360gcatacagcc cagaggatct ggaagagag

389

<210> 2037<211> 397<212> DNA<213> Homo sapien

ggcacgaggt ggctggcacc ccaccctgtc ttctctgacg tgggtgctggc gtagggccgt
60gggggtaagt cactgtctccc cgtgggctca gggaggcctc tgcacttagg gtctgaccag
120cctccccact aggaacaggg tgggaaagtc tgcctctgag ccaggagtca ggctgggagt
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240cagatgtggg ccactcaga ggctgacctc tggacctccc cttctgctgg accccggcgt
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360tccgcaatta tatcccatc tcctggagga ccaggac
397

<210> 2038<211> 389<212> DNA<213> Homo sapien

gatactatgc ctttaacttt agaccgcagt atattataat acatttgata tctgaaatat
60ctttactttt ttaagagtaa gattccatat gtctgtctgg aaggagacca tggttattca
120cacgaatatc cctgtcactt ctccagaggt gtgaggtaac taacacgagc attctttgaa
180gactctgggc acatgaatga tacacagaat tgaatgttta aatttccact ttgagtcctc
240atgaatcatt tgagactagc accagctgat cttgtgtaca ggctcagggt cagtgcctaa
300gggctccgcg gtgtgtgttc tgatcttcag tgcgtagcac attctccatt tataaaagag
360tggtcagaat aattgtggac ggtacagtg
389

<210> 2039<211> 391<212> DNA<213> Homo sapien

ggcacgaggc gacatttaat tttagttagt ttacatttaa acagccacac ttgactcgtg
60agtgccttat tcgacgggtg atctctggag gacttgctcc cttcagcctg acttacaaga
120aactgtgtct ctacctgagc tccagttgtt gagcgctaag gggcaagtgg aaaccagat
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240tcatggctgg tatctccatc agatgctgat ttggggccat ctgtgtatgt accctgtgga
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391

<210> 2040<211> 395<212> DNA<213> Homo sapien

ggcacgagga acggggggac ccttagccct caaggaggga ccaggaactg ccaggaaacc
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120tcctggagag ggaggaggga ggcagctgcc acagtggaa taacctgaa cctcctgtga
180gtcatggaat ggaagacaga gcagacctca gacctggag agtcaggggc gccactgagc
240cagcccacga ggctgtatct gaggggtgag cctggcacca gcgggtgctc cgtgactgcc
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360agtgaagtcc acgcggcgct tctgtggtaa ggagc
395

<210> 2041<211> 392<212> DNA<213> Homo sapien

ggcatgagaa gaagctctgc ttggtactac tattatgaac aacattgtta tttggaattt
60aaaaactggt caactcctga aaaagatgca cattgatgat tcttaccaag cttcagtctg
120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgccaa
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240tctcagcgtg ggtgtgatgc tgtactgtct tcctccaggg caggctggca ggttcttgga
300aggtgacgtg aaagatcact gtgcagcagc aatcttgact tctggaacaa ttgccatttg
360ggacttactt ctcggtcagt gactgacct cc
392

<210> 2042<211> 401<212> DNA<213> Homo sapien

cgttgctgtc ggctttttgg actgtttctt ataaaatctg ggaagatggc tccagtgatc
60attctacata tattgtacaa aactagatt ttcacctggg tcataatact atggttacca
120aaccatgtgg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc
180atgaaaatcc acccatgga gtaacaagtg tgaaagaatg gttcaattat gttacagcta
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300ctactgtgaa gaattctagt ttgttgagt gattcagagg aggttctagc tacaaccatg
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401

<210> 2043<211> 398<212> DNA<213> Homo sapien

cgttgctgtc gcggccctc ccttctccc acagccaagg acagacaggc tgcttgacc

60tgagcccaac agccttcagc ctcagaaacg catggggggc cacacactcc ttatatcctc
120ccacactaag gttccccctg cccacaggga gtttcaggaa agcccccaa gttagccact
180gctctaggac gagctctgtg tccccacac cacaggcctc gaagcagggg gctgggtggg
240gccccgcacc ccaatcccag gtcccccttg cccctatatt ttctcgggcc cattggggcc
300tgtttctcac ctgctggctg gacccctga agggccgttc ccagaggctc cccaggaggc
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398

<210> 2044<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaaagctct gtgttctttt gccttcaatc tgntggcttc aaaacaaaca
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120tatgcacaag gtaggactta cttcgtgaaga aacaaatgc cagtattttt ttaagccatg
180atgtgaaacc aatgaccctg tgaccacatg gcacagaaca ctaaattttg gtcccatggc
240tgaaacttga ggggtgactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc
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360ttttcagttt taaatgtggg caaaaaggca ttctctc
397

<210> 2045<211> 394<212> DNA<213> Homo sapien

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240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg
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394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gcttgttttc agcgatgtta taaaacaaag gcctgtttt
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120ttgaataaaa taaaaatttt gtaataaaac ttttaaaat cagtgtatga aaatcaatat
180ttaagactat aggtataaaa ttgtttgatt tcattaacta gcccttttga tgcctagaca
240tgttgtaaaa aaattgtgct atggctgcct tttcttctgc ccacaacac aaagggctat
300ttctacaagg caaagatttg gatgtgct attctttact tcagattgag agttgngaaa
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397

<210> 2047<211> 400<212> DNA<213> Homo sapien

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180aaacggaagc ggacagcaga taaatccact agtacaagt atcctgtgat cgaggatgac
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300ggaatcacag atctagtgtc aaaagactgt ccaaagatga tgttcacca tgctaccagg
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400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgaggc tatccctcct cctgttcct cctccagagg tagtctctgt taccctttta
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180aaactgggag cattttccca agtacatatt tataatactt acggggccta tctagtatc
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401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggcattac ccagccccg gccccgggtg cctctgcgtc cgtgccaggc ctectgatgc
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120tgtgacccca ggccagggaa cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccttggcc tcgccagagc acctgaagaa
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300tccaggcctc tggtgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc
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401

<210> 2050<211> 401<212> DNA<213> Homo sapien

cgttgctgtc ggctgtctgt cagtggagat ggtgttggct gtctgtcggg ggagatgggt
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120ctgtcagtg agatgggtga ctctgactgc tattattcta catttcactt tgcactggta
180ctagggacta gatagaattg accgggccat tgaggatagg ctgcttctac tacgccccct
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300gcccgtctta ggatccccac cctgctgttg aagggggccc attcttcaac gcttcataag
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401

<210> 2051<211> 395<212> DNA<213> Homo sapien

gccaaacatc cagaatgtga tgggacaaga tgggggcagg ggcctcacct ccctgcagag
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120gcacctgtgt gcagaattcc cactgtggcc agcacgagga agtcttttct agtgaaaatg
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300aaggcctccag gcttctagag cagctagctt gggctggatt ctcacacca ggctgcccc
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395

<210> 2052<211> 390<212> DNA<213> Homo sapien

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtga gctctgggtc gagagagggg
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120tgtattggct ttttgattgt caaagtaaaa aaatgtgaag attacaggaa tcatgtcctg
180ataatagcta cctcatatca agccctcact atgtgccagg caccttcttg ggacttggct
240gcagttgtct gttactcttc acacaagctc aatgaggcgg tcctgttatt accattttta
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390

<210> 2053<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggcagatcac ttgaggtcag gagttccaga ccagcctagc caacatgggtg
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120cccagctact cagggagcct gaggcaggag aattgcttga acacagaagg taggcattgc
180agttagctga aatcacctca ttacactcca gcctgggcaa cagagcgaga ctcttctta
240aaaaaaaaa aaaaaaaaaac tccgggggcc gttttttaag aaaatccaaa ctggataaaa
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388

<210> 2054<211> 397<212> DNA<213> Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc
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120gagggagggtg ggttggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg
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397

<210> 2055<211> 390<212> DNA<213> Homo sapien

cgttgctgtc ggccgcaggg gagcgccggg gtcccggcga gcaggtcggg tcagcccagg
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120tcttgcagct cccctctctg gcgggtgttc tgggtccaag tctgggagcc caggtagccc
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390

<210> 2056<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gggtaccttt gggtccagct actagctttc ctttttggaa ccttacagg
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120gatttcacta agatcaaggg atggagggga aaatttcata gtgcttctgc atctaggaat
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403

<210> 2057<211> 391<212> DNA<213> Homo sapien

ggacgagggg gatgagagct gtttcgttcg ggacaagtgc ccggcggcgc ccgacggagc
60agaagagaga gcatggagct ggagaggatc gtcagtgcag ccttccttgc ctttgtccag
120acacacctcc cggaggccga cctcagtggc ttggatgagg tcatcttctc ctatgtgctt
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391

<210> 2058<211> 396<212> DNA<213> Homo sapien

ggcacgaggg agggagctgc tgacacagcc ctgcaggcag aaggatcccg caaacgtgga
60ttacgaggat ctcttctctt actccaacgc agtggccgag gaagctgcct gcccggtgtc
120tgccccctgag gaggcctccc caaagccagt cctgtgtcac caatcaaagg aaaggaagcc
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300ccagaggggtc cggcagcagc taaaaagcca cctcgccact gtgaacttgt cgtcactctt
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396

<210> 2059<211> 402<212> DNA<213> Homo sapien

ggcacgagct tcctctacag ctacagcttt cacatatgac gcagcattcg ggaatgtccc
60cgtcacctag caacagttat gatacttccc cacagccttg cactaccaat caaaatggga
120gggagataaa tgagcgatta tctacatcca atggaaagat gtcaccaact cgctaccatg
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240atgataaagt ggaagaatta atgaggaggg acagcagtgt gataaaagag gaaatcaaag
300cctttcttgc caatcggagg atttcccaag cagttgttgc acaggaaca ggtatcagtc
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402

<210> 2060<211> 395<212> DNA<213> Homo sapien

ggcacgaggg ggcggggcga tctcccacca gagtcaggac aagaagattc acgtgtacgg
60ctattccatg gtgagccgca gccccgtccc gccctgccgg agggcccagt accagcttcg
120agggccacct gagcctgctg ccctgaccgg tggccccagc tgagcacgca ggcttcctgg
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395

<210> 2061<211> 387<212> DNA<213> Homo sapien

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240cccattggag acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
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387

<210> 2062<211> 390<212> DNA<213> Homo sapien

cggtgctgtc gatgctgtgg ccgaccatcg agccaaagac ttcattcacg attctctgcc
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120ggctggagaa cctgtaaacg tgggggcccä gttgacaaca gaaacagaag tccatagtct
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240ggaaaactcc cgtgtgtatc atctggaaga acccaagtgc ttggaaatat acccccagca
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390

<210> 2063<211> 401<212> DNA<213> Homo sapien

ggcacgagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag
60acccccacct ccctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag
120atatgtctgt tccccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
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300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgcca g

401

<210> 2064<211> 398<212> DNA<213> Homo sapien

ggcacgagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag
60acccccacct ccctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag
120atatgtctgt tccccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggaggt agtcatggta ccatgccgag
240tcaagagcgc ttccttgtgc ctctcagca aatacaggga tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgga

398

<210> 2065<211> 388<212> DNA<213> Homo sapien

ggcgccaggc gaacctcatg atctatatga tgatatectt ctcaaacttg ggggatgtga
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120ggcccatata gctaactacc gatctcctgg aagacggacc cagcggcact attcaaccta
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt
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300tccagccccc ctttgcgaaat actgtcctgt gcctaagatg ttggaccact catgtctttt
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388

<210> 2066<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaccgcat cctgggggtc ttcctctata acaagaccaa gtacgatgca
60aaccagcaag ccaggaagca ctcctcccc gtcaccacag cagacctgag cagcaaggag
120cgtcaccgga gcccaactgga gaagccccc aacggcctcc tcttccccca gcacggggac
180tatcagtacg gccgcaacaa catcttaaca gaccacttcc aatacagccg gcagagctac
240ccaaactcgt acagtttgaa ccgctatgat gtgtagagtc caaaggacag gaccagactg
300ttggtgactc ctccccggc cccacagca gtatcagaaa cttctgacaa tcagtgaatg
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397

<210> 2067<211> 395<212> DNA<213> Homo sapien

cggtgctgtc ggtgggcttg ctccattgtg ttggtgcaac ccagcagcg gtctctgggg
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120ggctggcctg ttggcgaggg tgtcctgggt gtggggcggg ctgagtcaag gaaggactct
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395

<210> 2068<211> 399<212> DNA<213> Homo sapien

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399

<210> 2069<211> 400<212> DNA<213> Homo sapien

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400

<210> 2070<211> 389<212> DNA<213> Homo sapien

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60cacgttacca agaaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact
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240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga
300tggagacag taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga
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389

<210> 2071<211> 382<212> DNA<213> Homo sapien

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60gaaggggaag aaaaggatgg catctcagac agtgatagca gtactagcag tgaggaagaa
120gagagctggg aaccctccg tggtagaag cgaagccgtg gccctaagtc agatgatgac
180gggtttgaga tagtgcctat tgaggacca gcgaacatc ggatactgga cccgaaggc
240cttgctctag gtgctgttat tgcctcttcc aaaaaggcca agagagacct catagataac
300tcttcaacc ggtacacatt taataggat gagggggagc ttccggagtg gtttgtgcaa
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382

<210> 2072<211> 394<212> DNA<213> Homo sapien

ggcacgaggt taacagtgat gatgacagcg ggtgctggtt aactgtatc tcaggctggg
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394

<210> 2073<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggtctgaatg ccgcctgcat ggcattggtg gatgcagggtg tgcccatgcg
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384

<210> 2074<211> 393<212> DNA<213> Homo sapien

ggcacgagga aaacttcaat gaaactgaat aaacaactt cctctgtcaa aagcccttcc
60atgagtctca caggctcact aacacctcgt aacctccaca tagcaaaagc cccaggctct

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393

<210> 2075<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt
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120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct
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300tanagtgggtg ccggaggagg aagtggcac agcctgtgta tgaaacggtt caacgcctc
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400

<210> 2076<211> 403<212> DNA<213> Homo sapien

ggcagaggt tcaagctgca ccgactgcac ttcacccgcc tcttggcagg agggcccgcg
60aagcagctgg aggcctcag ctatgtctcg cacttccagc cctttgctcg gctgcaccag
120cggcgagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca
180ccctactgcc acctgtgga cagcagccac tgggcagaga tctgtgagac ctttaccgg
240gacgcctgtt ccttctgtgg gctttctgtg gagtcccccc ttagcgtcag ctttgcctct
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gggcagtg
360actggggtct ggaatcaca ggacgagtta ccgattgaga ttg

403

<210> 2077<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gctcactgca acactcttgc cttccagggt caagagattc ttgtgcctca
60gcctcccag cagctgggag tacagacccc tgccccata cccggctaatt tttttagca
120aattactcat ttgtctgtct accttttatt ataaagattg tggcaactct gcttaggact
180ctggattttt ctgcccaatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat
240attaccagg aaaccagctg tgtctgtgaa aaggccggcc tatcagattc aagttgcaag
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg
360gccacataa ggataaacta aaacaaagaa tcaacatggt

400

<210> 2078<211> 391<212> DNA<213> Homo sapien

ggcagaggg agcgtgggtg ggacacggtg tctggtgtan acggggagcg tgggtgggac
60acggtgtctg gtgtagacgg ggagcgtggg tgggacacgg tgtctggtgt agacggggag
120cgtgggtggg acacggtgtc tgggttagac ggggagcgtg ggtgggacgg tgtctggtgt
180agaccgggag cgtgggtggg acacggtgtc tgggtgtatac ggtgagcgtg ggtgggacac
240ggtgtctgtt gttagcggag agcgtgggtg ggacggtgtc tgggtgtatac tgggagcgtg
300ggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacggtg tctggtgtat
360aatggaatgg gagtgtgtgt ttgtgacatg g

391

<210> 2079<211> 398<212> DNA<213> Homo sapien

ggcagagcg gtcgaggagc tgcggccagt tttgggagg cggcccccg gatgctacac
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120ggagggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac
300agaggatgat gagtacctg ataagggtgga gaggaacatc aagaaatccc tccaggagca
360cctgcccagc gtggtggtat acaatgcagg caccgaca

398

<210> 2080<211> 397<212> DNA<213> Homo sapien

ggcagagga caggaggaag aaacaagtat aaaggttttg gttttgaaa gaagttggaa
60tctccagacc ctgggacctt aagatccaca gaattgctga aagaaaaagt actaccttat
120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtac
180tacagccatt actaccacta ctatagcagg cgcttgccc ctaagggtgga tgtagagta

240gtgatttttg tcagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc
300tacaataagg caatcagcta cctagccaca gtgccaagt accgtatcca agctacagag
360attgccaaagc agcagggact gctcaaaaaa gccaaag

397

<210> 2081<211> 403<212> DNA<213> Homo sapien

tcaattccgt tgctgtcggc ggccggccaca gttggggccg gtggctccgg aacgagatcg
60ggaagggaac agtccactaa cctgcccgat agctatcctc tggcccggag gagaaccctg
120caagggggtg cgagctcctt gctgacacag gcagggtttg agagtgccga aaaagcatac
180gtggaacgc tgacagagat gctgcagagc tacatttcag aaattgggag aagtgccaaag
240tcttactgtg agcacacagc caggaccagc ccacactgt ccgatatcgt gggcacactt
300gttgagatgg gtttcaatgt ggacactctc cctgcttatg caaaacggtc tcagaggatg
360gacatcactg ctctccggg gaccaatcag ccagtgaccc ccc

403

<210> 2082<211> 394<212> DNA<213> Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc
60tccaaaaaat acggcagaag aatacaatga gacgagaagt aacgggtggag ctaagtagcc
120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgctacctg
180ttctgaccca tcatatccgc taccaccaat gcctaataa tttggacaag ttgataggat
240atactttcca agatcgttgt ctgttgacgc tggccatgac tcatccaagt catcatttaa
300attttggaat gaatcctgat catgccagga attcattatc taactgtgga attcggcagc
360ccaaatacgg agacagaaaa gttcatcaca tgcc

394

<210> 2083<211> 385<212> DNA<213> Homo sapien

cggtgtgtgc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac
60tgctcaggtg gaagattttc tgcagtttct ttatgggtgca atggcccagg atgtcatatg
120gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat
180gaaccggatt ttcaagctcg ccttctaccc taatcaagat. ggggacatac ttccgcgacca
240ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaact acagagctct
300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag
360gacaataagt gcttataaaa cccc

385

<210> 2084<211> 386<212> DNA<213> Homo sapien

cggtgtgtgc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca
60cctgtgtgag acagctgtga taactatgac gctagagcct catgcagatc caataacacc
120gccagtaaac agacgaacaa tgcactgac ctggatttaa ctgaacaggg attagggcct
180atgataaatg gcattgtctc catgttgatg ctgatgctat tgatgatgtt tgctgtccac
240tgtacctggg tcacaagcaa tgcctactct agtccaagt tagtccctggc ctcatacaat
300catgatggca ccagggaatat cttagatgat tttagagaag cttacttttg gctaaggcaa
360aatacagatg aacatgcacg agtaatgn

388

<210> 2085<211> 403<212> DNA<213> Homo sapien

aattcggcac gaggtagcat ggagggggag aggacgtagg ctgtgtctc gggctttgtg
60ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg ttttcttctt
120ggggaagtaa aagggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa
180gctgtttata caattgacat tcagaaatat attccatgct atcagctttt tagaatgtgg
240taggttggtg caaattccgt cgtcattcag atcagatcat gacgtttaga gagaggctgc
300ttcacaaaaa cttgcaggag cttttttcaa accaagacct tgtttttctg ctattaacac
360cgagtataat aacagaaagc tgctctactc atcgactgga aca

403

<210> 2086<211> 390<212> DNA<213> Homo sapien

cggtgtgtgc gctcctttgt ggcccctctg caagagaagg tggctctttg attatttttc
60ttaggagcca ttctctgctt ttctttttca tggtcttcc acacagtcta ctgccactca
120gagggggctc ctccgctctt ctctaaactg gattactctg gtattgctct tctgattatg
180ggaagttttg ttcttggctt ttattattct ttctactgta atccacaacc ttgcttcatc
240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg
300tttgccaccc ctcatgatcg gggagtaaga gcaggagtgt ttttgggcct aggcctgagt

360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cggttgctgct ggctgggtgat agctgtgtta cctgccaaat ctccaccaac aaataaaatc
60ggaagtaaat ccagcaatgc cagttggcct ccagaattcc aaccaggagt gccatggaaa
120gggtatccaaa acattgaccc tgaatctgac ccttatgtca cccaggaag tgtgctgggg
180gggtacagcca catctcccat tgtagatact gaccaccaac tgctgcggga taacaccaca
240gggtctaatt ctctccctcaa caccctcgctg ccttcacctg gtgcctggcc ctacagtgc
300cttgacaact cctttaccaa cgttcatagc acttcagcaa agttccctga ttacaaatca
360acatgggtccc cagatcccat agg

383

<210> 2088<211> 402<212> DNA<213> Homo sapien

ggcagcagca gacatggcgg tggtggcggg gaacagcggg gagacgtgct acagcaagta
60cgggggccatg gccctcaaga gccgggcctg ccacgagatg gccctgagaa tcgtcctgca
120cagcctggac ctccgcgcca actgctacca gcgcttcgtg gtgccgctgc tcagcatcag
180cgctgacttc tacgtgcgtg tttttgtccg tgccttcacc ggccaggcca aggtcaaggc
240ctcagccagg gccaagttct ctgcagcctg tgggtccccc gtgacccccg agtgtgaaca
300ctgtgggcaa cgacaccagc ttggtggccc catgtgggca gagcccatcc atgacctgga
360ttttgtgggc cgtgtcctgg aggtgtgag cgctaacccc gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

ggcagcagtg cagcctgtg atcccagcta cttgagaggc tgaggcagga gaatcacttg
60aactcgggag gtggaagttg cagtgaagtg agatcgtgcc actgcacgat ccgcctgagc
120gacagaatga gattccatct caaaaaaaaaa agtacttaat acctacttta aagattgtca
180tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt
240gcatcttacc ctcttcctg agtattgata ctgtcttaaa catagtaggg ttgattaga
300tatttgctgg ttgccccttc acttgcaggg gatacataca aatgttggtt ygtattggat
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

ggcagcagga gctttgtcaa aatacctggc ctctagtctt gagattttat tattgttcat
60tagaccagtg ctagggcctg aatgttttgt gtttatcttt tttttttta acctttattt
120taagggttaag ggaacccag aagggttggc cccataggaa acctggggcc acaggaattg
180gtggaccatt taattcctcc cccggggggg aagccccagc cctaaaaagg aatttttttg
240gccccttttc tttccccccc ctcccctttt aaaaaaaacc ccaggggccaa tggttccttt
300tttggggcca aaaagtctta acatttccct ccccttaaaa agggaaacca gcgcggagtg
360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcagcagat agggtagtct tgactagata taaccaaggg ataaaaggg attagctgac
60tcaggataac atttcaggtt tgtgaagatg aatttgtcct ttgaaacaga tctttttaga
120aagggtgttt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga
180ctgaggccag aaagctgtgg atgacagaag ggattgggtgc attctcagtg aattttgata
240caaattaagt atgtgggtag tttttaataa catttactat atatatatat taatgaaaaa
300ttgtttccta aactgtgaaa aggttatta aagaaattta gaggtggat gcggtgactc
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatect tctggaatta attttgggtc attgactgag gtaggggctc acgtttcctt
60cccgatgtca gccactactt ttgggtcttt aatctataaa agcaggggcac tgggttagaa
120tttccctaat ctcttatata tcaaacaaag cactcactgc aaacttgatc aatagaggaa
180agtatgcttt ttttgtattt taccttttac cagtttctact tactgtaaat cataagggtg
240ctttacatag tagaaaaata gcattatctt aaacctgggt ttttattact aaatatatca
300ctaaaaatgc tttacaaagc agtaatgatt ttatttcttg gggaataaaa tcaagaaagc
360taaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien

ggcagagac gaaaggaaac cttacagaaa catgaagccc tcaaccatct gctactcagt
60tattcggggc tgacggcggc ttctagaaca tccaggtgtt ctgcagatgc gagaactcat
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
180ctgaggccct gaatacagaa gggctacttt cttagtggcc aaagagcagt tgttgacatt
240gatgtctaatt tattgaacac gaccagtcatt tttactgagc tgcggtgagg aaacactgac
300catagaagat caagccaaat gagggattgc aaatttctctg attcttttga attaggattc
360cagatggggg cctca

375

<210> 2094<211> 369<212> DNA<213> Homo sapien

ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgcag
60cgttaaaagg atctgaacaa agtctgctca aatctctctgc tgtgaaccag cagaattttt
120gaacaggttt cttcacatat aaaaatctat tgtaaaaata cggaacagaa tggcagcggg
180aacgcagaca ctgaactttg ggctgaatg gctccgagct ctgtccagtg gtgggagtat
240tacatccctt cctctttctc cagcattgcc gaagtataaa ttagcagatt atcgttacgg
300cagagaagaa atgttagcac ttttctttaa agacaacaag ataccttcag accttctgga
360taaagaatt

369

<210> 2095<211> 377<212> DNA<213> Homo sapien

cgttgctgtc ggccacgaac acagccttgg gcccaagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctcaccccca aatccttccg gtcccccac tggcagcca aaatcgaaaa
180ctactctcgt ctcagcggcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccgcccgct gtcgccgact taggacggca tcccgagact acccttctca aggccgtatg
300accagtccga gctgccatga tagactctcc gaagccggtc gtcacctgcc ggaccagccc
360tgcagcaccg tctctcn

377

<210> 2096<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggccacgaac acagccttgg gcccaagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctcaccccca aatccttccg gtcccccac tggcagcca aaatcgaaaa
180ctactctcgt ctcagcggcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccgcccgct gtcgccgact tcggacggca tcccgagact acccttctca aggccgtatg
300accagtccga gctgccatga tagactctcc gaagccggtc gtcacctccc ggaccagccc
360tgcagcaccg cc

372

<210> 2097<211> 148<212> DNA<213> Homo sapien

ctangaaaga ccccttcttc ttgcagtgtg tctccagcgc cctctactga caaagtatgc
60catcatgcaa gctgcaaaagg aaacatttca agagtctata tctattttca cggagcgggc
120accaacagtg aatgtggagc tgagagag

148

<210> 2098<211> 379<212> DNA<213> Homo sapien

ggcagagag aatgcctcca ggctgtcat tccatgtgac tagtgcaggg ttgcatggga
60gaggatagct gatgaaccca gatttgaaa ggctttgtgg ctctgtctga ggattgtggg
120cttaactctg ggtattgtgg agctgtttaa acacatatta aggagtgcag tgatcagatt
180ttccttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac
240tttgtcatga taggttgtga ggtatattaa gtatatgtta ccaataataa aatatcaggg
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt
360cttcattcac ttacatcct

379

<210> 2099<211> 375<212> DNA<213> Homo sapien

ggcagagat acattttata tttggaagggt tgtccaaggg caggtgggag cagtatagta
60tatgcatgct caggcagggc tagagtttga cctcaccacc tcaccagtca tattagagta
120gctgtccaga caagggtgtgg gacacaattt cttatcagac caacaacctg caaagcagtc
180ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaata
240ccagcaatcc gcctaggttg ctgagcactg ctagagacaa atcatacaac tatgcaaatc

300agtgttacta tatgatcact aacctcgtat gaaccttcac tgtgcttgca acatcagctc
360ccattcctac_cactt

375

<210> 2100<211> 371<212> DNA<213> Homo sapien

cgattcgaat tccgctgctg ccgaaaactt ctggtatattt acccacgaag aacttcacgg
60gtccagtgga tttgccctta tggccgagtg tccatacaca ctccaaaatt catttatcag
120ccacaagatt agttcgtgtt tcaacatctg tagcttcagc acatactgat ggaaaaataa
180agattctgtg tcataaatac cttattggag tgtagcata tttgacagaa ctggcaattt
240ttcaaattga gtgaagcctt atgtggacta taagttatag attatatact cttattgata
300acttgccctaa ttgctatgct gaaagagact gcaggagaaa taggcatcta tctctgcatc
360tgttttcccc a

371

<210> 2101<211> 373<212> DNA<213> Homo sapien

tccgttgctg tgggtttcct tggtggattt tcttgttctc tgctgctact gtaaaaacga
60aatgagtggt cctgctcagg ttccaatgat gtcccaaat ggttctgtgc ctcttatcta
120tggtccctcct ggatatgcc caccaggttat tgaagacaat ggtgttcgaa gagttgtcgt
180gggtccctcag gcaccagagt ttccacctgg tagtcacaca gttctccacc gttctccaca
240tctctcctcta cctggtttca ttcctgtccc aactatgatg ccgctccac cagtcatat
300gtactcacc gtgactggag ctggagacat gacaacacag tatatgccac agtatcagtc
360ttcacaagtc tat

373

<210> 2102<211> 381<212> DNA<213> Homo sapien

cgttgctgtc gaactgccc acatcatctg cagtaggacg ggggagttgg agccttggtc
60aggccactct gctactgacc acagttttct catctctaaa aaggcgcagt aacaatataa
120ttaccgtatg cagtccccc ggatacaggg tcaaaggaga ccacaacct cgcagatgga
180agcccattgg gcagggccca ggacacagtg agcatacaat agacattagc tgctgtggtg
240tcttgatttc aagcccagtg cagatgcac tgacttacga aacttcagtg acacctgtc
300tgtgccagac actgaagatg gagcagtgaa cagcactgac ccagccatgc ctctgttgc
360ctgcaggcca gaagcaaggt c

381

<210> 2103<211> 362<212> DNA<213> Homo sapien

ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg
60gttttttatt ctgcgaaatt ttgtgtacgt ttgaagctac cacagaatag cagatattag
120aatgattcct gctgactcac cagtgtttc aactgttcac aggggtcagg caggaagcag
180atctcttgcc ctccctctga tccaggtcac ttagtcacgc ccctgaaagc agtggatgga
240caaccatgcc accctctttc ttccaatata ccttattttg tatectgccc tttttgtgta
300gcattagatc atgagcattt tcctctgcta taaatgtccc ctcaaatatg ttgattcttg
360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggtcttggga gaaggaagcc ttctctttt ggcagaagtt tcaaatggtt
60cttatttctt gtctcactaa ggcagtaata gcatagtgat ggacctggtt gggtagtggg
120ggacagctga aaaggcagga gttttacttt tgtttgaaa gagaccacat cacatatagc
180atctcaccat tcacaaagtg tacatccacc gatactactc cactgttaga gccttcgtcc
240tcttatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgccaaa
300cctaaacctg gaaataaaga ttttctctgga gcagtaagac ttcagactgt tgggtgagct
360attatctcaa ggtag

375

<210> 2105<211> 367<212> DNA<213> Homo sapien

ggcacgaggc cgatggagga ggggaggtct gagcagagtt cgggtgtcag gcgtaatggc
60cctcgtgccc tatgaggaga ccacggaatt tgggttgca aaattccaca agcctcttgc
120aactttttcc tttgcaaac acacgatcca gatccggcag gactggagac acctgggagt
180cgcagcggtg gtttgggatg cggccatcgt tctttccaca tacctggaga tgggagctgt
240ggagctcagg ggccgctctg ccgtggagct ggggtgtggc acggggctgg agggcataat
300ggctgccctg ctgggtgtc atgtgactat cacggatcga acagtagcat tagaatttct
360taaatcn

367

<210> 2106<211> 375<212> DNA<213> Homo sapien

acgggacgag ggctcttgtt ggtcccatgt tgcttgccct ccgaggagcc tcgccaggca
60gcagctgccg cctcatcagg cgagaccccc caccagggtt ggcaaaccga ggtgccata
120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagccca ggtgccagta
180gggctggacc agtctgaagg ggctccctt cctgctgctg ccagccctga aaggccccc
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc
300cagggcccca gcacggggct ggactgacca cagcagggga cctgagccgt gttccccagt
360ctccatatgc agctn

375

<210> 2107<211> 370<212> DNA<213> Homo sapien

cagggtgtc ggaacactgg agttttgtt agctacctac tcacgccaa acatgaactg
60ccctctggca tagagtgtg taatgcgaaa ggaagagaca ttgtcagcct ggctcgagga
120tgcccgctt ctgggggaga gagttacctt tggcctaaat ctccctctgt gtctcttgaa
180gaacttacgg tatcttgctt atactagtgg atgttccttg agctgtgtgg tatgttctt
240aattgtgggt atttacaaga aatttcaaat tccctgcatt gttccagagc taaattcaac
300aataagtgt aattcaacaa atgctgacac gtgtacgcca aaatatgtta ctttcaattc
360aaagaccgtg

370

<210> 2108<211> 381<212> DNA<213> Homo sapien

cggtgtgtc ggcaggatga tgggcaggac agggagaggc tgacctactt ccagaacctg
60cctgagtctc tgacttccct cctggggctg atgaccacgg ccaacaaccc cgatgtgatg
120attcctgctt attccaagaa ccgggcctat gccatcttct tcatagcctt cactgtgata
180ggaagcctgt ttctgatgaa cctgctgaca gccatcatct acagtcagtt ccggggctac
240ctgatgcacc cgccgaggcc cgagtaccag actccgtttc tgcagagcgc ccagttcctc
300ttcggccact actactttga ctacctgggg aaccttatcg acctggcaaa cctgggtgcc
360atttgctga tctctccacc g

381

<210> 2109<211> 377<212> DNA<213> Homo sapien

ggcagagct gaagcgttc ctgcttacca agttgcctcc atatctaatt ttttgtatca
60agagattcac taagaacaac ttctttgttg agaagaatcc aactattgtc aatttcccta
120ttacaaatgc ggatctgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc
240ggatccacgt gcttcatcat gggacaggca aatgggtatga attacaagac ctccagggtga
300ctgacatcct tccccagatg atcacactgt cagaggctta cattcagatt tgggaagggc
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377

<210> 2110<211> 143<212> DNA<213> Homo sapien

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60tttccctac acacagtga agccggaatg ggaatcgctg aggtctctgat ccacttctaa
120gaacagaagg aaagtgaagg cag

143

<210> 2111<211> 354<212> DNA<213> Homo sapien

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60ccacacact caaaaatatt ttctacaaa ccccaaatca attgatgtct ccattctaca
120tggtgtgtc caatgtcagg aaactcacta tattccaaaa ttccatttgt tgtcgaagag
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa tttcatttaa
240aagacagaca cacagggaaa tatatagctg agagatgctt tcattaatag agaatcctgg
300gaacccttga gtaatcacat ttgaccaac tctagtgaat agaccatttc cctt

354

<210> 2112<211> 332<212> DNA<213> Homo sapien

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120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa
180gtgataacca accccacaag gtgattttta tttcgttaacc tcagtgggga aatcttcggg
240gcagggcagt ggtcctcatt tggggtgatt ttgtctccc aaggacattc tggcaagtc

300tagaaatatt tttggttggtc acaactcggg gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien

ttttcggctg ccagattacg acagaaggga aacctttaaa gtctttgagt ttcgaaggac
60aaactttggg atttccttgg ttaactcaa agtgactgtg tgacagaagg ggtggattag
120ctatatcttt tgctgtattt ttataactaa agctacaatg attagggag ttgcaatgtc
180aaatcaatat tctctcattt gtctaccaga aagcagtctt actagaaatg cacatacata
240agatttttga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaatgca
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337

<210> 2114<211> 337<212> DNA<213> Homo sapien

tacggtgcga gaagacgaca gaagggataa acaaattttt ttaaataaat gagagatagc
60taagggtttt taaaaattat tatatctaca ttatgagaag aaggccttta ttgtccttgg
120aggtatgcat ttccagaccc cttacttaag agtccttga atgtggttct gcttgacaga
180gttctgtatt agcacttga taccagaggc agcaccacaa tcaagctgcc aggccagaga
240atgtttcctt tccaaactca gctgccctct tgacttaat ctaattgggt agtgatagaa
300aagtacagt gttactaaaa cactctttg cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien

ctgaaagttt tgaatttgat taaagttatt catgtctgt taatctctgc aacatttga
60gttgctttt tctcctttt tctttgaaga attttgccg attttttcc tagtagttt
120caaagaacca gctttagct tgagtatac tgggttttc tagtcatca tcggatttc
180tgctcttccc cgtccagctg cttaaagtaa ttttaagct ca

222

<210> 2116<211> 462<212> DNA<213> Homo sapien

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60ggctctgagc tttggaagaa agttggcact gaggtgggaa gtcgagttta gttttgttag
120ttttggatgt gtttaagttt agatgctgat tcttcagaga agtctaagct ggagaactat
180atagagagt gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg
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300aattaagagg tgcctccact gcactgtgac tcagaaggct gaggttaagat tgttagaggc
360cagcctgggc accacagggg gaccccatct ctaaaattta gccaggaacc atggctcatg
420cctgtagccc caggaatttg ggaggctgag tggggaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien

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120tgctgagcc cgtgcctgtc ttcagatctt cacagcacag ttctgggaa ggtggagcca
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300ciaatggatg agcagtcaac ctggacgcag gaaatcattt tttatttggg gcaaagaggc
360agaggaatgg agctcagagc ttttagagaa tatgggcccag aaacaggaag gagtccagac
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454

<210> 2118<211> 442<212> DNA<213> Homo sapien

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120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggnc gcttccccg
360ctcctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg ttcaagtttc
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442

<210> 2119<211> 436<212> DNA<213> Homo sapien

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120atctgggaac tcacccccag cgcacacaca tctccccag ggtccaagg ccccgagct
180tctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggcg cttccccccg
360ctcctccatc accctcagcc tccacacttc aaagttcaag ttcaaagctg ttcaagtttc
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436

<210> 2120<211> 434<212> DNA<213> Homo sapien

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60gggggtttcag tctgtgttct tggagccaaa gggttcctca aggggtgctc aagagtaatg
120gtttaagaaa agaggggcaa tgagagggag cgagggggaa ggcctagttg gtatttgagc
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240atattggaat ttcaagtaag cttcatggg gtgcagtggg gcggggagga atggatggga
300taaaaaaagt ggagattttg ctgctttaaa aaagttgaga actacttggt taggttttaa
360ggattttaat gtatttcatt ttggcaaat caactgccac aaagcagcta tgcataagtg
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434

<210> 2121<211> 434<212> DNA<213> Homo sapien

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120gtgatatgag gaggcagagg cagcacccag gaaaaacagg gcagtggacc aatggacagc
180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact
240taatacccat tgaaatttca cctcaggtgt tgtgtcctgt gtctggttaa gtgtcccatg
300gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anaggtgtgt
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434

<210> 2122<211> 431<212> DNA<213> Homo sapien

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120actgccaacg ggcatgggct gaaaggggaa gacgagagcg ctggccttga caggaggggc
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240cccaggagtg gagcggccca tctctgcgat tctcaggaaa cgaactgttc caccgctggc
300cactccaaaa cgccgccag tggagcagat tctaagacgg tgaagctgaa gtcccctgtc
360ctgagcaaca ccaccactga gctgcaagc accatgtctc ctccaccagc caaaaaactg
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431

<210> 2123<211> 423<212> DNA<213> Homo sapien

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60aaaaaaaaaa aaaaagggga aaatttact ttaaaaactt ttgttaacag caggggaccc
120ttgtttat tttt caggtcccc acccccaaaa aaaggggggg gtttgcctcc tttaaagggg
180tgggaagccc taattttttt taaaaaaaca gtgccacac tttcccaaac caaaagggg
240ggaaagggcg gcccttttga aaaaatgcgg aacccttta taattttttc aaggggaacc
300aaaaaaattt aaaatgtatt aaaaagtga cccgcccc tttgaaacct aaaaaaagt
360tttaattggtg actttttacc aaagcggggg gcctaaaacc taataacca cgcctttgga
420agn

423

<210> 2124<211> 170<212> DNA<213> Homo sapien

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60cgacaggctg tggccggaca gctgctgcc agcacatgga gctgcaagc gcacagttg
120gccaaagag ccccatact cccggtgaaa aagatggagt ctgctctgt
170

170

<210> 2125<211> 424<212> DNA<213> Homo sapien

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120tagtgggtcc tccccctgca cggggaaca ggccctagag atgactccat ggggtgaagg
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240tctgatgttt ccagtacaaa ataaacctcg ctccagtcaca gtccctctcc agttccctcc
300ctcacaagca tggcccccca ctgctggctt tccctcccca cctccacccc tctccttggc
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424

<210> 2126<211> 424<212> DNA<213> Homo sapien

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60ggtagtagaa ctgagtattc aagactgaat gttaggcagg tagacagtga ctggttaggc
120tgagaaactt acaagtattt tcgttgagtt ctgcttccac tattatttac ttacaatgg
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240ttatgggctc tcaaaagtag atttagagag atttttttat cactgtttta tgatatagtt
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360agcttcaggg aaggaatttt caacaactgc aatctttgat tgttttactg tgggaacttg
420cagg

424

<210> 2127<211> 423<212> DNA<213> Homo sapien

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60atgtacaaaa aggacctga actcttaaat tggaccagca aactgctgca gcgcaactct
120catgcagatt tacatttgac tgttgagca atgaaagtaa acgtgtatct cttgttcatt
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360aaagctgata acctttctta aaaacgaccc agtcacagta aagaagacac aagacggccg
420ggc

423

<210> 2128<211> 426<212> DNA<213> Homo sapien

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120cttttgggca cagggtcagt ggtagccatc ttagacactg acatttggtc ttgtcgtcaa
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300gctgttctga ctgccagctg gctgatctaa gctcctgagg aatgtctcct ctcaaaggaa
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426

<210> 2129<211> 424<212> DNA<213> Homo sapien

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300tggtgataca gctctgtgtg attcaagttc tggcagagct tgtaaggcta gagcccaggt
360ctgccgacac cctgtgcttg ttgcacactt gatttgctaa ggctggagac aggcaccatt
420gccc

424

<210> 2130<211> 428<212> DNA<213> Homo sapien

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428

<210> 2131<211> 424<212> DNA<213> Homo sapien

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424

<210> 2132<211> 427<212> DNA<213> Homo sapien

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427

<210> 2133<211> 427<212> DNA<213> Homo sapien

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427

<210> 2134<211> 427<212> DNA<213> Homo sapien

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300aaatccgaag tgccaccaga ttatgacaaa cacaaccag agcagaagca gatttaccgg
360ttcgttcgga cactgttcag tgctgtcag ctgacggctg aatgtgccat cgtcaccctg
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427

<210> 2135<211> 429<212> DNA<213> Homo sapien

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429

<210> 2136<211> 417<212> DNA<213> Homo sapien

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120ggaaaatgga aaagccattg tataaatttt tttttgagc ggagtcttgc tctattggcc
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417

<210> 2137<211> 417<212> DNA<213> Homo sapien

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417

<210> 2138<211> 419<212> DNA<213> Homo sapien

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240gggggttttc aaaaaaaaaa aaaaaaaccc ccccccttaa aaaaaccttt tcttccccgg
300caaaaaaaaa aaaaaaaaaa aacctccctt ttttggaata cggggggggg ggggggggaa
360ttttttttaa aaaaaaaaaa ttgtggggcg cccccctctt ttttttttaa aggggggggt
419

<210> 2139<211> 417<212> DNA<213> Homo sapien

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300catagaagat caagccaaat gagggattgg caatttcctg attctttttg attaggattc
360cagatggggg cctcatttct acagcccccac acatttctat angccgtatc actggcc
417

<210> 2140<211> 418<212> DNA<213> Homo sapien

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240tagaggaggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat
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418

<210> 2141<211> 421<212> DNA<213> Homo sapien

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240aattgaccag gaaaaaccgg ataaccceaa ccagtttttt taaaccgggt tttggaacct
300aaaatttga aaagggaacc ccaggcccat aaaccaaaac cggggccttt aaaaaggaca
360aaaatttccac cccagaaaag gtccaaccca attccaggct ttctcgaaaa aaaaatttca
420t

421

<210> 2142<211> 422<212> DNA<213> Homo sapien

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120gggactcttc agcatcagt gataatagag aacttgaaca gcatattcag acttctgac
180cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa
240gttcagtgga cagtgatatt cttagtcca gtcatagcag tgatactttg tgcaatgcag

300acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa
360gaacgaacgc aatgaaggg aaaaaagaaa catgggatac agcagaagaa gactctggaa
420cg

422

<210> 2143<211> 417<212> DNA<213> Homo sapien

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120gacccaagag tgcaggatcat gttgtatatg gctctgtctg ttcccatagc ctggagggtat
180tcccgaagt ctttacctaa gttgcctcta ttccaccatc catcccatag aggagtgaagc
240agctcatggc tgagtggctc ccagcagtg aggaagcaga aatcattagg acccttgcaa
300aggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg
360cccttctcac cagccacgtg gcgcctgtg ccgggacgca tccacgggta aggggtt

417

<210> 2144<211> 417<212> DNA<213> Homo sapien

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60tttgagttg gccttggcag aattgtatga agatgaagt aagtgc aaat cttccaagtc
120taatagacct aaagccacag tcttcaagag cccacggaca ccacctcaac ggttttactc
180aagtgaacat gaatacagtg gattaaatat agttcgacct tcaactggga aaattgtgaa
240tgaacttttc aaagaggcaa gggaacatgg ggctgtccct ctgaatgaag ccacaagagc
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt
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417

<210> 2145<211> 419<212> DNA<213> Homo sapien

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120gaaatccaag gctgccaaac cacggacgtc caaaaagtcc aaaccaagg acagcgataa
180agaaggaaact tcaaattcca cctctgaaga tgggccaggg gatggattca ccattctgtc
240ttctaaagagc cttgttctgg gacagaagct gtccttaacc cagagtga caagccatat
300tggctccatg agagtggagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga
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419

<210> 2146<211> 418<212> DNA<213> Homo sapien

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120aatttagggc tcacccacct cattggatct ccttccctcc gggcatatat gcattgggtt
180ttcatggata taagactcta tcacaagggtg aaactgatgg taaatccatt tgcttatgaa
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag
300ctaaagaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag
360gagaagcaga aatctacatg gcaaaagaga gttaacaacc ttctaacat tctcaccg

418

<210> 2147<211> 422<212> DNA<213> Homo sapien

ggcacgagga gacaaattaa ggtgaaact cttcaggctg cagttagaga aattttggcc
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120ggaggaacaa gggcggtggt tgctctccag accctacgaa aattagtga acttactcag
180aagccagttc atcagctctt tgattacatt tgtggtgtaa gcacaggtgc catattagct
240ttcatgttgg ggttgtttca tatgcccttg gatgaatgt aggaacttta tcgaaaatta
300ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat
360gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgactg
420at

422

<210> 2148<211> 413<212> DNA<213> Homo sapien

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120acaggcatgt gccaccacac cccgctaatt ttgtatttt tagtagagac ggggtttcac
180catgttggcc aggtggtct caaattcttg atctcaagt atctgtccg cccggcctcc
240caaagggtg ggttgggatt acaggcgtga gccaccgct gcgggtcagg acccagtttt

300ggctgctggc tcccagcacg ggactcgggg gatatacagt ggctgcacca aattgtaggt
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413

<210> 2149<211> 415<212> DNA<213> Homo sapien

ggcagcagcc agctacactg gaggtgagc caggagaatc acttgaacgt gggaggcaga
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120atctcaaaaa aaaaaaaaaa gggatttcgg gggggggggg ctcttatggg ggcccaaccc
180catggatacc cggtaaaatt ttaggaaaaa aacaaaggaa gaccccgccc ccaaaacctt
240tttggccccc ctcttctttt aaaacccagt tttttcagtt gtggaaaaaa gagctccctt
300tgagtcggtg gcaaacggtt tattttttta aagccccac ctttttttta aaaaattctt
360ttggaaacgg ccaggagtaa aaccaggggt ggaaataaga aaagggtctc ctaaa

415

<210> 2150<211> 411<212> DNA<213> Homo sapien

ggtgtcttga actctggcac tgtacagtga aagtgtctgt agttgtgtta gtttgcatta
60agcatgtgta acattgaagt atgtcatcca aataagaggc atatacattg aattgttttt
120aatctcttga caagttgact ctctgacccc cccccacc caagacattt taatagtaaa
180tagagagaga gagaagagtt aatgaacatg aggtagtggt cactggcag gatgactttt
240caatagctca aatcaatttc agtgccttta tcacttgaat tattaactta atttgactct
300taatgtgtat atgttcttag attagaataa tgcaacttcg agtatgtctt aatatttcaa
360tattcaagtt acaaatgtat aaggcagtta gaaataatac agtcacatgt c

411

<210> 2151<211> 416<212> DNA<213> Homo sapien

cggtgctgtc ggcattgggt tgtagatttc tgaaacttag aggtcattta gctaaaatct
60acattttttt taacttttaa tatgattgaa atgatatttt acactgtatc acagatacag
120tattttatat aactttttgt aactgacctt atcttggcct tgagtcccat cctctctggt
180ggtagcgtaa aactgaaaat tccagtttgg gtcaatattt agtgaaagt ctactttctt
240ttcagagagt ttgtccccc ctttttctct tagatgtttt caaacacaca gccccatcct
300actcaaacca agtgaagcaa gaggggacaa ttctagaatt ggctgtgcca tgtaggtttt
360ttttagaatt tgaactgatt tcttctattt tgatgaggtg gcaactgtcc ccattg

416

<210> 2152<211> 411<212> DNA<213> Homo sapien

ggcagcaggt caccagggc ggagtgcagt ggcattggtca cagctcactg cagccttgac
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120caccacattg cctggctaatt tttttgtgga gatgggggtt cgccatgttg tccaggtgt
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240aggcgtgagc cactgcgccc agccttactt atttttaaat cagatttttt aatcaactaa
300aacagctatg agttaagtac ctgcccgtgca aaaattttta gaagaagttc taggattatg
360aaattaagaa ttattttctt taactggaac agttctaana tttatctgat n

411

<210> 2153<211> 411<212> DNA<213> Homo sapien

tctaggatcc tatcgatacg aattccgttg ctgtcgggtt tagtagatat atctgatagt
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120aaccatttgc agcaaatgtg ggcaacaaaa aaatcagct ttcaactggg gagagccacc
180ttgcaaaagt gattgttctt ggtaagtcct ctcaagaatt gaaagatata atgccttgcc
240tctgaacaat gcaaggaaag aggttgctg ctgaacatag acagtaaagt ctaaacattt
300tatagcctta gataatggtt tctttgggaa agaccttaa ataggagtta ctggggaatg
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411

<210> 2154<211> 415<212> DNA<213> Homo sapien

ngngggagca gacgcgtgag atcaaaagtgg ccgggaccaa agcggacagg gtccaacgtg
60ccagcactgc caagagaagg ccttttgtac tcaggttaaa taagaacatc ctgcaaggag
120tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg
180tcgattttga agagactagc atttctggt aatgaagtgg agtatatac catatatttc
240tgttttctgg agagaagac taacctaaat aagtaggaac cttgaagaat catgttcttc
300ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt
360ctcatgcttt agtaccaggg cttctgaatt tgaaagtctt catgcaaatt gcccc

415

<210> 2155<211> 413<212> DNA<213> Homo sapien

ctgctgaata gccccttctc acgacgtccc gcagcgtttt acaggtcatg catgaaggag
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120aggggtgagaa gaagctgcag gaaggtggtt ggtatattgg aagaaatttt ttgtagtca
180ttaaaaaatg tagagcatat ctaatgatag agaaaatgtt tattccacag taataagaat
240ttgcatatac aggggtgatta taatcctgca aaataaaaaa tttattggga taataaaga
300ctgacaggaa aattttttaa gtgttaacat tggttatgtt tgggttggtg aggctgggtg
360atttttagaa atttacaaca gagagaagtt gtggganaaa gtatacgtta gtt

413

<210> 2156<211> 414<212> DNA<213> Homo sapien

ggcacgagca gaagaacatc tattatatcc ttttataaa tcttctctg ggaaaaggag
60tgggtttctgg ctgaatacta tcttaggtc aaggagaaac aaaataaaaa ttagcttcca
120ggcagcctgt ttttaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca
180tccaagccct gggcgtctg tgcactctg gctcctggg agatatactt gccttctaag
240aaggcaggcc aggtcttggg cacagacctg catttgttga ccttgacctc caactatagt
300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc
360catgttctat acctcaaagt gaggtggca ggtacagaga tgaactgtac acag

414

<210> 2157<211> 415<212> DNA<213> Homo sapien

cgccacgagc accggtctac cccagaactc tatggcatat atgtaattaa tgtgcagtgc
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120tgggacactc tcttgttttg cattcaggaa ggagtgaata tgtttttaa gcaagaaaaa
180ttatttgtgg aattatcagg tgaggatatt aaggaaatta gtgaagataa tggttttagt
240ttatttggat ctactcttca gaagcgtgtg acttccgatg agaggagcaa ttccaggaa
300gcattgtaata atattttaga ttcctatgag atgtttaatt tgcagtcaa agctgtgaaa
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415

<210> 2158<211> 413<212> DNA<213> Homo sapien

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120tgatgggact cctctcaca atgtattctt ctttctctc ttcccgacc atcctttgct
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240gaactgtgtt tgggtggtt tcttggattg aattattctc agaagggtg tgttgccagg
300ccctgtgggt tgatcatgtg accgcttctc tgacaaaatg tctgccgcca tctttattg
360caggctaatg gaagtgtcaa gaaatctggt ggggacttta agcctacttc ccn

413

<210> 2159<211> 416<212> DNA<213> Homo sapien

ctgcagccaa gttcttaggg ttccgtaagc gctgcattcc caggagcctc tgcctcagt
60agtgtcctct ggagccccca agcctcacc cctctgtgtc cactctgaag gactgcccg
120gacccctgga actgcaattg tctgtgagt tctgagtga ccagagcctg gagactctac
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300tgatctcag gtcctgtcac catgcaactt tgcacttcag atccaacgag gaggaggaag
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416

<210> 2160<211> 412<212> DNA<213> Homo sapien

ggcacgagggt ggcctatgcc tctacatcc caggatccat catctgggccc aagcaatag
60gttaccctct gtggccaggc atgataaat ctgactctga cttaggggaa tattttctt
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag
180tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccctggagc
240tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tccgtcttag
360agaaaaagga gaaagaggaa gaggttgaaa aggaggaagg agagaaaaca gc

412

<210> 2161<211> 412<212> DNA<213> Homo sapien

cggttgctgtc gacagcgggtg gtctcatttc tggaaaatct cttgtgtttg caactatgga
60gtgctgatg ttcatttttag tacggcatat gccacatctc agtaccaagg tgtcagactc
120tccaagtcac atagccacta aaactcgact atcagaagaa agtgetcgtt tggggcagc
180cacagttacc atactctctg atttaccatc cctttgttca cccgctggat gtatgacaat
240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc
300agataatcag gttectccac cagtcaagtgc agctcttcaa gggattaaaa gtattgtgac
360actttcaatg gccaaaactg aggttggcgt tcaaaaacag tggacagctc tg

412

<210> 2162<211> 411<212> DNA<213> Homo sapien

ggcagagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctcacactgc
60ccaagaagtt catcgcgacc attcccctgg tgatgtacct cagcggcttc ttgtctcct
120tcctcatgaa gcccatcaac aagtgcattg ggaggaaacat gacctacttc tcaggcctcc
180tggtgatcct ggcttttggc gcctgggtgg cgctggcgga gggactgggt gtggcgtgt
240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca
300tgacggccga cctcatcggc cccacacga acagcggagc gttegtgtac ggctccatga
360gttcttggga taaggtggcc aatgggctgg cagtcatggc catccagagc c

411

<210> 2163<211> 415<212> DNA<213> Homo sapien

ggcaacagcc tgggttttag ccacaaagcc tttagtttga accccaaagc cccagatttg
60agcctgaaag cccggggttt gagtcccgaa gccttgggt tgtgccccca agccctgagt
120ttgcaccag aagccctgaa tcagattctc agagccctga gtttgaatcc cagagcccta
180ggtatgaacc ccaaagccct ggctatgaac ctcgagagcc cgggtatgaa ccccgagcc
240ctggctatga atctgagagc tctagatatt aatcccagaa cactgagctc aaaacccaaa
300gcgcagaatt tgaagctcaa agttccaaat tccaggaagg tgcggagatg cttctgaacc
360ccgaggaaaa gagtcccttg aatatctccg taggagttca cccctggac tcctt

415

<210> 2164<211> 412<212> DNA<213> Homo sapien

cgcacgagaa aaagtgttac cacttcagca tcaggaagtg aaaatcttac tcttattcaa
60caggaagtgg atgcttttga agaattaagc aggcagcttt tcttggaac agctgatcta
120tatgtacca aggagagaat agaatactcc aaaaaccttc aggggaaata ttttaatttt
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300tatctgggaa tccaatttga tgtgaagttt tggccccaac acatttcctt cattcttgtt
360ggaataatca tcgtcacatc catcagagga ttgtgatca ctcttacc aa gt

412

<210> 2165<211> 407<212> DNA<213> Homo sapien

ggcagcagga gatgtgatg atgctttata aggtctatca gccatgagag agcagcagtg
60gtggcccagg ccccgactgt aggagctgaa agacagggca ccacaccaca ttacaggagg
120gtgagaggaa cggatgcgga gaggttctga acttgtaggt caaaatgtga aattcgaaaag
180aatacccaaa aaacctaga aaatttttga aaggaaaata gatttattat taagcagatg
240aaaagatgcc caacatcagt agccatcagg gagatgccaa tcaaaaccac aatgagatac
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag
360acactggaac tcttcacac tgttgatggg aatgtaaaat ggngcag

407

<210> 2166<211> 405<212> DNA<213> Homo sapien

ggcaccagat cacatgtatg atttattttt aatatttgat aggaactagg ttccagtga
60atgatttgaa agcatagcag gatgtggctt tttaaattta tgaaactttc gaacagtagc
120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga
180gggtaaaaga aatatgccaa atatgaaact tttttgtcag cactacatac atctttttt
240tgcggggggc ggggggggaca gagtctcact gtgtcactca gactggagta cagtgatgcg
300atctcggctc actgcaacct ccgctcctg ggtcaagcg attctcctgc ttcagcctcc
360tgagttagctg ggattacagg tgcacaccac cagccccgc taatn

405

<210> 2167<211> 408<212> DNA<213> Homo sapien

ncttctaatt ccgcacgagg agagagagag agtttagagt tgagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agtgcgagag ttagacccag

120agagagaggg ggtgtttgct cttgattgcc cccgcccctc cctctctttg ggattttttt
180ttttcttttt tttccgagct cttgactttt tttttctgt tgcgcgcccc tttatcgttt
240tctctttttt tactctttac cttttttttt tttctgccc gcacactttt tttttatccc
300ttttttttct ctcctcctct ttttgggtgc cctctctttt ttatttatat atttgtgtgc
360acgattttgt gcgcgttttt tttttttttt tttgtcctct ctctctgt

408

<210> 2168<211> 408<212> DNA<213> Homo sapien

ggcacgaggg ggcgtagcag aggaggatag gtagagaagt accattttta ttattttgtga
60cttgtggctt ccttcctcct ctcctcctcc ctcacgtct ctctttgccc ccttttagaca
120gaaggtgcag aaaagggcat caaaaagagg ctggattttt taaaaggcag ctttccaact
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240gcagaaacaa aacctgtaaa aatgactaat cagctgcaca tattgatgct ctctgcaagt
300taccttttaag tgtttttttt cttatacttg aagttgcttt tacgatatta ttttgggtggc
360tttcttttct ctctttgatg ggcaatagag gaagtagata atgggatt

408

<210> 2169<211> 405<212> DNA<213> Homo sapien

ggcacgagct cagnannct ctttcaactc tagtttttga ggtggggaca caggaggtcc
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120aaagtgtca aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct
240gaaggaagcc aagaggatca ctgctgctcc tttttctag aggaaatgtt tgtctacgtg
300gtaagatag acctagccct tttaggttaag cgaactggtg tgttagtaac gtgtacaaag
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405

<210> 2170<211> 408<212> DNA<213> Homo sapien

cggtgtgtc ggcattttt atgtacacat gtctattcag actttatcct catgatttca
60gaaaaaatat agagaggggc ctagactgct taatagagga aagaagtatc ctggaaagct
120tgtaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt tttgtgacct
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240gtaataattaa ggtagtttgc cttttctgca gacattttta ggagctttt tgtgtgagtg
300gtggtggagt gtatagtttt gttgaacctg gctaaattct gaatatcttt cactaaaaag
360cacaacaaat ctatttacag tgcctgaagc ctgggagagc cacatgat

408

<210> 2171<211> 406<212> DNA<213> Homo sapien

ggcacgagag tacttttgat aataattcac tctgtgcgag attcctgaat aagccatct
60caaaagtgtt ggattttcct cctcttaact ttcttaatat ttggacatgc cgctgtcgcc
120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac
180tgccaaatac ataggaattt tctttcttaa aaaacagtaa tgaagactat atctccttc
240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa
300actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaattt
360aataattaca catatttga tatttcacag aagcttttaa tatttc

406

<210> 2172<211> 405<212> DNA<213> Homo sapien

ggcacgagct caggtctcct acactggccc cattttactt tgggggtccaa ggacaggatg
60gtcaacaggg caggtggac agcgtgccag cgccgcgcag gccacctcc ctgggtggat
120gcatcacact aaggaagtga gtgccaaggg gatttagtgg tgtggttctt tcaaaggag
180gtcagggta atgggaatct gctcgacac tcaacatggg ggtgggtgca ctccttgag
240gaggaggaac acgttcaggg gattgtgagg tcttgacaaa gccacgtggg gcaccttggc
300ttcccgccag gaggtggaca cccagccaga ggcttggtc aaggtgacct caccttcacc
360atgggcttcc tgggtgcgcg ggctgagcg caggtgttt tgtac

405

<210> 2173<211> 409<212> DNA<213> Homo sapien

cggtgctggc gctttcattg taaaaataat atgtactttg caccacttaa aaaaaaaaaa
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120gtgttgggcc aacccccgc tgaaggcgg ggaaaaaag gctttttttg gaaaattggg
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240ggcattcttt tttggttaca ggttcggggg gggggggggg aaggtttcaa nattgcctac
300gggagaaaaa aagaaaaacc tcagcttgca aatttttggt cagagatggg atcggtcttt
360gtcggttgag ggatttacat taaaaaatt cacgagatat tgctcatgg

409

<210> 2174<211> 410<212> DNA<213> Homo sapien

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120catcatgcat cgaggcctga ggggtcaggg cgccctctct tggcctggag gaattgctcc
180taactagagt aagtttacac gaggggtccca ggcagagctg cagagctgga accggaggct
240ccacagtcct tgcctgtca tggacctcct tcagagcacc tttctacaga ctggactgcc
300cagctccgtg ggggtggcatc tggtttcttg tgctattctg ccaagttatc gagctcctcc
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410

<210> 2175<211> 408<212> DNA<213> Homo sapien

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120agaagaggag tgggaccac tctcatccag agggccgtcc tgagaggcaa gtgaggctgt
180gtctctgtgcc tgggctcccc caggtggcac ctgtcggctc tgggacctgg ttgaggcaag
240gatgccatc tggacatgga gccgacacag gtagtcaggg ggccagcggg acgcttacca
300acagctgtct tttcccccacc tcagaatagc attcctttcg aacaccacgg caagtagctg
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408

<210> 2176<211> 406<212> DNA<213> Homo sapien

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120tgtatgagtc atagtattca atagggtggt gctgatgttg ctattatagc attactttt
180cagagatgaa ggtagaggcc agacatctta tttcaaatat cattgtaact ttaaaaatcc
240cagtaaatgt tgcctgttcg gtatacagtc aaaatctccc aaacaaatc cacaaaacag
300aagtgtaggg tgggacacag gtgcatctgg tgttcgttaa gtatgagctt agatatggag
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406

<210> 2177<211> 406<212> DNA<213> Homo sapien

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120tccctgaaaag aagtggcagg gacagtggct acggtgacat ctggtgtcct gaacgtggag
180aatttcttgc tctccaagg caccataaga gagaagattc ctttgaaagc ttggactctt
240tgggctcgag gtcattgaca agctgtcctc ctgatatac gttgagaggg gggcgtgaag
300gttttgaaag tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg
360atatgtcgtg tcgaaggatt tcggctgttg agccaaagac tgcgtt

406

<210> 2178<211> 407<212> DNA<213> Homo sapien

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240ggggcgggca tgggtggcag cccacacaag ccactgtcac ctgctgtcgc cactggccg
300accctgggtg attggggaat gctgtcagcc ccgcagcccc tgtggccata tctggggccc
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407

<210> 2179<211> 405<212> DNA<213> Homo sapien

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120tgacagctaa tttgggtgt aggggaagct ctgctggccc ttgctccttt gtatgttgg
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240agttctaaga cagttcgac ttagaaaaga atgtgacaca tcaacattaa ctttctctga
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405

<210> 2180<211> 409<212> DNA<213> Homo sapien

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120tagcattgag cagccccgga ggggctagcc ctgaggctga cctgcccata ggccccacca
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240gtctgtcgag cgaggagccg cgccgcccgc tgcgaagcga catgagccac ttccaagcct
300cggaagccca gcaggtgcta cacaacaagc tcgaggtcat cctgggggac tccattcaga
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409

<210> 2181<211> 408<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagaggtt tttttccccc cttgtgagag agcctctgtc tctctccccc cccccctct
180ctcttgtggg gctgcactg tgtcaccccc cccccctct tttttttttt tcccccccc
240cacacacact atctctcccc acagagagtc gcgcgcgctc tctctagggc tctctctctt
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408

<210> 2182<211> 406<212> DNA<213> Homo sapien

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120agaaacggac aaagggaaaa actgttccaa tcgatgattc ctctgaaact ttagaacctg
180tgtgcagaca cattagaaaa ggattggaac aaggtaattt gaaaaaggct ttagtgaatg
240tggaatggaa tatctgccaa gactgtaaga ctgacaataa agcgaagat aaagctgaag
300aagaaacaga agaaaagcct tcagtttggc tgtgtcttaa atgtggccat cacggctgtg
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406

<210> 2183<211> 409<212> DNA<213> Homo sapien

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120ctcagggtgt gaccgagatt cccgacgaga gatactgagg ggaagagagg aaagaggggc
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300cccagagggg cgacggcgctc tttgtgcagc aggtgacgca gaactcccct gcggcccga
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409

<210> 2184<211> 407<212> DNA<213> Homo sapien

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120tggtgtccgc gactggcctc ggtgctgcta tactccgatt atgggatagg agaagtgcce
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240tctccaaagc agccgggtgc tggctactac cgtggcgctg tcgggtggcac gtttgaccgc
300ctgcacaacg cccacaaggt gatgatcagt gtcgcgtgca tcctggccca ggagcagctt
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407

<210> 2185<211> 408<212> DNA<213> Homo sapien

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120cgttttaggtg gagaaggtgg aaaagtggt gatgtctggg ttgtagccca caacagaatg
180actttaaaaa aacttaaaaga caggtatcct cggaacgggt ttgtggctgg agtaggagca
240aacagcaaaa ttagtgcact gaaaggctcc aaaggaaaag actgggaaat ccctgtgcct
300gtgggtatct cagtaactga tgaaaatggt aaaattatag gagaactcag taaagaaaat
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408

<210> 2186<211> 406<212> DNA<213> Homo sapien

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120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag
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406

<210> 2187<211> 410<212> DNA<213> Homo sapien

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180cctgcttggt ggtgctgtac cagaatgcc aagcggtcatc ttccgagtc aagaagcacc
240aggcccccac catcgcccga aagtatttcc acctcattgt ggtagccacc tacatcccag
300gtatcatctt tgaccggcca ctgctctatg tagccgccac tgtatgcctg gcggtcttca
360tcttccctgga gtatgtgcgc tacttccgca tcaagcctt gggtcacact
410

<210> 2188<211> 405<212> DNA<213> Homo sapien

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120ctaggggctg agaagagaaa gaggacaacg gtagccaaat atggtgatgt agatgatgag
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240caagctgctg cagagagatt tgcacggtga tttgggagaa cagatttcaa agctagcact
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360caagtcctaa gttcagtttc tgagaatgtt gagccatttc gacag
405

<210> 2189<211> 406<212> DNA<213> Homo sapien

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60agagcttaca ttatgtaagg acacacctga taatgctcgg acctcaatg aactgggtgt
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300acaaagctgt acctttgtat gaattggctg ttgaaattcg acagaaatct tttggcccaa
360agcaccctag tgtagctact gccttggtga acttatctgt tcttta
406

<210> 2190<211> 399<212> DNA<213> Homo sapien

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60atcaagaatc tgaattataa tattcacagt ctgctcccca acccagtgat gccactgta
120cagatgcgcc tccactaagg ggcataatgc acgctcgtct gaccctggaa tgaggatgta
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300tgaggaggaa tatcacacgt gttatacaca ttggagggaa cagagactgg cacaggacct
360cttcattgca ggaagatggt agtgtaggca ggtaacatt
399

<210> 2191<211> 404<212> DNA<213> Homo sapien

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360gtggagatat tggaaatttt tataggcatt tggtagagca caan
404

<210> 2192<211> 403<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagtgt gtgtgtgtga gagagagaga
120gagagtttct ctctctctgt ggtatatata tacacccact ctctcttctt tctctctaga
180cacacaaagc ggctctctcg cgggttttac ccacgctctc tccccccag aatatactgc
240gcgctttccc ctctctgtta tatccgcgcg cgcgcgcacg tgggatatat tctctctctc
300tctctgcgcg cgcacacaca tatccgcgt ggttttctct ctctctctct cttcccgta
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403

<210> 2193<211> 404<212> DNA<213> Homo sapien

ctgcaagaga ggatttcagg aaaccttgta tgtgtggaat gaacctaaat ggtgcattaa
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120ggtgggagcc ggtgtgggag cttttactgc cgttttgctg gtggctctga cctgctactt
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240aaaagagtgt gaactcccg ctgcagacag ttgtgctatc atggaaggag aagataatga
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404

<210> 2194<211> 401<212> DNA<213> Homo sapien

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120gcttgcact gtcaatatat tctgttcccc ttggttacia gcttaataata ctcttgtgtt
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240aatctactgc ttgtatagag acaggtgtac ccaaatttac tcttgacctt ttataaagc
300caggtaatgg agtctgttcc ttgtcatctc aggaaggaat tgactttgct ttatgtatca
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401

<210> 2195<211> 398<212> DNA<213> Homo sapien

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60gagcctcccg aatagctggg actacaggca cagccacta cgcccagcta gttttttgta
120tttttagtaga aacaggggtt caccgtgttg ccaggggtgg tctcgaatc ctgaactcag
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240agcctattca taattcttta tagggcttat taccaaagaa cagaaggctt tttaaaagtc
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398

<210> 2196<211> 404<212> DNA<213> Homo sapien

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120gtgtgttggc aggtaccgg taagaatggt tgggtgcagc agggacgggg ccctctgaga
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300ctgttagaag tctttagttc tgttttcctt gggggactaa gaaattatat tgcaggcctg
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404

<210> 2197<211> 399<212> DNA<213> Homo sapien

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120acccttgctt ttctcttgcg ccaggctgcc cttttcttgg gctgggggt gttgttctcc
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240cactgaaacc cgcgagaaaa aagaaacatc cctgttgtct gctcagtaa gtccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
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399

<210> 2198<211> 399<212> DNA<213> Homo sapien

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120aggggaccca ccccccccc aaaaatcccc cccgcgaaaa aaaaaccccc cccctacgc

180ccccccgtaa aaggacgcat acctcacgaa ccgggggggg gggggggccc ttttctcttt
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360aaaagggggg ggaaaaagag ggcgcccccc cgaggggat
399

<210> 2199<211> 402<212> DNA<213> Homo sapien

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120tcatcatcat ctttcactc aaaatcctat tattctacat ttcactttgc aggggtccta
180gggacaggat tgcagggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag
240atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta
300ttaagacaac agaaatttag aacattttac atgcttcttt gttaaatggt gaagcaaggg
360aatgaaagta tttattttta gagtcatag ttaactccat cn
402

<210> 2200<211> 398<212> DNA<213> Homo sapien

ggcacgagtg gaaccagcga ctgagttatt tcaaaacacc atgaaaataa gattagaaga
60cacaatcaa gaaaacttta caaggattga agggactggc acaggatctc tttctgggaa
120agccttgggt tcagtggtat atgtcaaaga aagtgatgga ctagaaatga cagatgtgga
180atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg
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300attttgcact atttgtgaat catcttacac tgcatttttt tatgatgctt attcaaaagg
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398

<210> 2201<211> 401<212> DNA<213> Homo sapien

ggcacgagga gaagcagagg gagtggcatg cagggcccct gccatgggtg cgctcctcac
60cggaacaaag cagcatgata aggactgcag cgggggagct ctggggagca gcttgtgtag
120acaagcgctg gctcgctgag ccttgcaagg cagaaatgac agtgcaagga ggaaatgcag
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360tggaagaa ccagaaggag gctgggcaga accagaacaa n
401

<210> 2202<211> 404<212> DNA<213> Homo sapien

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120ccaaaattca ctgtacatga tcagtttgggt gttcttgtac cacagttttt aactgaagga
180accagttgta acagtctcaa ttttaactaa aacttgaaga actaaaacaa caatgcaaac
240cttttcagcat tgtttggcca aacttgttaa aactgtaatg caagaaccaa atgcactgtg
300atgtggcacc aactaattag caagcatgaa ttttccacc aagagtgaag aaaggaaat
360ctaccatggc ttgaagttaa agagcagaac tctgactac catt
404

<210> 2203<211> 404<212> DNA<213> Homo sapien

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60atgaggaggg atcctattgt tccccatagc taggcagcct aagagagtag gggaaagagc
120tggtcccca tgaaaagggc accatctcca gctcttgaa gcagagaggg tggctccttg
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240aatggataaa ggaattactc agcttgaagg gatctgggtc ctttactctg gcctgatgtg
300tggggagaaa ggggcaaaaa agtttacgat ttggagttaa catcgaaatt tctgctttgt
360tggtcagggg ttacagcatt aatggacagg ttcacctga ccta
404

<210> 2204<211> 401<212> DNA<213> Homo sapien

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120ttggatgtca aattggctct gggctcatag agaggaatgg atttgttgc ctgaaaagga
180gcgataactc tagtttttaa acatttgtt tagttcagat aattactgcc cttattcatt
240gtgtccacct gagtcaaaa gcattgctgc tgttgcctgg tctaaggag gaggaccag

300gcatgtaacg gactgcatgc tggccagttg tgggtggtcag agcaagctgg aggccagcga
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401

<210> 2205<211> 402<212> DNA<213> Homo sapien

cactacggct tacggctgac aaaagacggc agaagggact gatataattag ctctccttggg
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120atcactcagg ttttaaattg ctgtgtaatc tgcgactatg ctctcccttg ataccatttt
180cagagagaca caaagccttc gtgcttttcc ttgtctctgc cacttggtgc atctttcaga
240ttacatttag agtttgctgc tccttctctg gaattattgtt tgcagcgctt cccggataga
300tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag ctcagtttcc
360tgagtctgga ttgtatctc caatccaggg ttctcagact tt

402

<210> 2206<211> 402<212> DNA<213> Homo sapien

ggcagcagga aaggcaggag gtggcggctg gcgacccgac ccccgcgcc cctgcccgcga
60ctcctggggc tcagccaggg cgaatggcg tactcatccc aagaagttgt cctaggctccc
120agacagcttt cagggtccct tgcggaggag gtgggtgggac cacagacaca tggagagaat
180ctggaactgt tctggtttct gaacttttcc ccgacaggac cccagacct ctgagtcac
240cccgcaggct taacgagact cggggagagt tagtgccgag gccagacact agtgcttttc
300aagaattttg gttaccaggg ctttcccag cagagtgggg tgcggctctg ttcccagca
360ccccctttc gccggccagg ccgactccgc gttactgtcc cc

402

<210> 2207<211> 400<212> DNA<213> Homo sapien

tctggggcca cctgcaagcc ccattccatt cctacagatc tctcagccac ctgtaagtcc
60tttgtgaaga tgtgggtgac acagggggac aggaaaaccc atttctcaac ccagatccat
120gtctccactg cttctactct ggggtgggat tcaggaaagac aggcacagtc ctctctgttc
180atagaaacac ctgccagtgt caaggattcc agtcagggtg ctatcccaac tggtcaggga
240gagaagggca gaccattct caaagaccac catgtccaag gtctgacagc tccccactgg
300ctgccccac aggggtctta ggctggtctg ggtcatgggg aagcgccct cttatcgctg
360gtctgtgttc tcctggattt ggtatctatg ctggtacgaa

400

<210> 2208<211> 400<212> DNA<213> Homo sapien

ggcagcagac aggaagccct gaagggtcaa aagaataca aaagcaaagg ctattttctt
60ttttttttct ttctttcatt ccttcttcc tcggtttctt tctttcttcc ttctatttt
120ttttcttttt taaaagcgag cggctctgcg ggggcggttt gggggggcg ccgccgaggg
180gaggtegtct cgcctccgc gcgccggtag actggacttg aactaagt cttcaatagc
240tgagattctc catcttaatc tacttgagg caagagcaga tgggtgttt cattatggat
300ggaggggatg atggtaacct tattatcaaa aagaggtttg tgtctgaggc aaaactagat
360gaacggccca aaaggaggca agaagaatgg gagaaagttn

400

<210> 2209<211> 398<212> DNA<213> Homo sapien

cgttgctgtc gcatatgtgt ccataatag agaacttgct aaatgattta tactacctt
60acatattgaa atacgcatag ccgtggaaga taatttagta gatctatatg tcccattatg
120gaacaatccc catggtgggg ggaaggtaa ggtgcagaac tgtatcatag atgttctctc
180tctctctctt ttttttggga aagcacatgt atgcttttat atacacagaa aaattctaga
240atggcaaca agatatcttt gcaatagttt ttttctggga ggggactcat ttaaaaaaat
300tctcccatat tgcttgtttt gttttgttaa agacatccat gtattctac ttgggttaag
360ccatgataac taaatatgat taaagttcag aacaataa

398

<210> 2210<211> 400<212> DNA<213> Homo sapien

nnnaccgagag actatgtgcc ttataccctt cgcattgtgt ccagtcggcc gagagaacat
60ggtgttggga aaagaaagag cagctacaca ttgaaatagt tggaaacagg gtgtgtcag
120ggagggaagt atgctcagcc ctgccagcct gtacttatta acagtagagg ctgtaccac
180gagctggagt cagacggcag cactatggag gactattcac aggaggactg gtgaaaccac
240agtcaggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcacaag
300aagaacattag caataaaaca agagtctct gatgaagcac agagaagaga catcatgcag
360aagattgtac agattttgga atcggtacag atgaaatggg

400

<210> 2211<211> 398<212> DNA<213> Homo sapien

ggcagcagggg actatcttga tgatgtcgtc tcattatcag tgcttaggta cttttgatta
60cctgtgtttc agtattaggg acactttagt acttcagatc ctgcaaatac ttttgcagat
120gaagtatgta tgcattgtac taagttaaac ttagaacag aacctcattc agttattata
180atggattttt gcaaactact gcaaatagca aatcaatgcc aatgttaaac aaagaggaaa
240acgctgtgtg gactttgttc tcttgaccgc gtatttcagg aacatctgct tgccatcccc
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360caggaaaaac attggattca gcttagactg aagaaaaa

398

<210> 2212<211> 399<212> DNA<213> Homo sapien

cgctgctgtc gcgaaaccgc ttgagcatcc tcctgtgaaa aggaatgaag aggctcaagt
60gcatgacaag cttaactctg gaatggtttc caacatggaa ggcacagcag ggggagagag
120accttctgtg gtaaacgggg actctggaaa gtcagggtgt gtgggtgatc cccgtgagcc
180attaagctgc ctgcaggagg gctctggctg ccaccaaca acagagagct ttgagaaaag
240cgtgcgagag gatgcctcac ctctgcccc tgtctgttgc tgcaacaag atgctctcat
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399

<210> 2213<211> 398<212> DNA<213> Homo sapien

ggcagcagat tttaaatagt atatttccag ggataggttg tcctgttcct cgaattccag
60ctgaggccaa tccttttagca gatcatgtct ctgctactcg aatcttgtgt ggagcccttg
120tcttttctac tattgttaca atagttggta aattgatgtt cagtagtgtt aactctaatt
180tacaaggac aatcttgggt ggaattgcgt ttgttgccat aaaaggagca tttaaagtgt
240acttcaaca gcagcaatat ttacgacagg cacaccgcaa aattctgaat tatccagaac
300aagaagaagc ataaaactga cttctggttg ttctgcagtt ctctcactct tatgaatctg
360ttgtgttgtt ttgattccat cattaatgca cttgtgga

398

<210> 2214<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gaagagccac cagctggaat ctgcatgtta ggtggccttt ctctgcagga
60ggtgacctcc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agcccctggg
120gatttgcaca gacagaacat ctgacccaaa tgtgtacac agtggggagg aaggagacac
180acagctaccta aagggccagc tccccctctc ctctcagtc cagatcgagg gccacccat
240gtccctccct ttgcaacctc ctccgggtcc atgttcccc tcggaccaag gtccaagtcc
300ctggggcctg ctggagtccc ttgtgtgtcc caaggatgaa gccaaagagcc cagcccctga
360gacctcagac ctggagcagc ccacagaact ggattctctt ttcn

404

<210> 2215<211> 404<212> DNA<213> Homo sapien

gacggtgggg aagatggcgt accagagctt gcggctggag tacctgcaga tcccaccggt
60cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag
120tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg
180cctccgggag gccagagggt gctgggtccc gggatgggtg gaggcgtaca gggattactc
240tggggttcga gttggcgcca agaattgctta tccagtgcg cgagaaggga gtgctgcttc
300atgggggggtc agcagttgga attgatcaca ctttttcagg tgtacttcaa tcctgaatta
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404

<210> 2216<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gggaggccaa gagcaccatt tggctgcacc ccgtcaccgg cgaggcgggtg
60gtcaccggac accggcgga gagcacagat ttgcctactg gctgggaaga agcatatact
120tttgaagggt caagatacta tataaacat aatgaaagga aagtgcctg caaacatcca
180gtcacaggac aaccatcaca ggacaattgt atttttagt tgaatgaaca gactgttgca
240accatgacat ctgaagaaaa gaaggaaagg ccaataagta tgataaatga agcttctaac
300tataacgtga cttcagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga
360gcttcaaaaa aagttcataa ttttggaagg aggtcaaatt c

401

<210> 2217<211> 401<212> DNA<213> Homo sapien

gcctgatggg atatattcag tcatggcgct cgaactttcc agaaaacctt gctcagaagc
60ttccaaacct tgggaacta tacctgcact caaataacat agttgtggtt ccggaagcca
120ttgggtctct tgtaaaactc caatgtctgg atcttagtga caatgcctta gaaattgttt
180gcccagaaat tggctgctg agagctttac gtcactctcg attagctaata aaccaactgc
240aattcctacc tccagtacct cactgtggac cgaatcgct tatggtatgt gccgcgccat
300ctctgccagc tggccagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg
360ccacttgatt taggtcgatc tcgagaacta cagtatgtat n

401

<210> 2218<211> 399<212> DNA<213> Homo sapien

ggcagaggg cactgtgctc ctgttctggc ttgtgctttt tcccatgatg ggcagatgct
60agtctcaggg tcagtggata agtctgtcat agtatatgat actaatactg agaataact
120tcacacattg actcagcaca ccaggtatgt cacaacttgt gcttttgac ctaataacct
180tttactttgct actgggtcaa tggacaaaac agtgaacatc tggcaatttg acctggaaac
240actttgcaa gcaaggagca cagaacatca gctgaagcaa ttaccgaag attggtcaga
300ggaggatgct tcaacatggc ttgtgcaca agatttaaaa gatcttggtg gtattttcaa
360gatgaataac attgatggaa aagaactgtt gaatcttac

399

<210> 2219<211> 401<212> DNA<213> Homo sapien

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60aactaaagac tcaacttggtg catattcaga gacacatagt gatgatgtca ctcaagtacg
120tttccatccc agcaatccca acatggtagt ctgaggttca tctgatggcc tggtaaattg
180atttgatatt aatattgata atgaggagga tgcactggtt acaacctgta actcaatttc
240atcagtaagc tgtattggtt ggtctgggaa aggttataaa cagatttact gcatgacaca
300tgatgaagga ttttattggt gggatcttaa tcatctggac actgatgaac cagttacacg
360tttgaacatc caggatgtca gagaagtagt taacatgaaa g

401

<210> 2220<211> 404<212> DNA<213> Homo sapien

ggcagagag aacagagagc agtgtagat gagcatggaa cagtggacga ggactctcct
60gtgtcacc cagaccgaga ctgggagggc tattggcggc tactctttaa aaagatatct
120tttagaggaca ttcaagcttt tgaaaagaca tacaagggtt cggaagaaga gctggctgat
180attaagcagg cctatctgga cttcaagggt gacatggatc agatcatgga gtctgtgctt
240tgcgtgcagt acacagagga acccaggata aggaatatca ttcagcaagc tattgacgcc
300ggagaggtcc cctctataa tgcctttgtc aaagaatcga aacaaaagat gaatgcaagg
360aaaaggaggg ctccaggaaga ggccaaagaa gcagaaatga gcag

404

<210> 2221<211> 404<212> DNA<213> Homo sapien

ggcagagga tgacccaac gatccatact aggagcatgg attgatactg ccaaattggaa
60acattaactg gaactgcca tgccttgggg gaattggccag cggctcctgt ggagaacagt
120ttaagtcagc cttttcctgc ttccactata gcacggagga gatcaagggg tcagactgtg
180tagaccagtt ccgggccatg cagggaatgca tgcagaaata ccagacctc tatcccgaag
240aggatgagga tgaggaagag gaaagagaga agaagccagc aaaacaagca gaagaaacag
300ctcccattga ggccactgca accaaagaag agggaggatc aagttaatga aggccacaag
360gcactgggca ccagtccttt tggagtggac cttttgcaaa aggg

404

<210> 2222<211> 397<212> DNA<213> Homo sapien

ggcagagac tggatgtata gcagttttc caagaagctt ggctcagaag ggtagcagac
60aggatgacaa atggaaagag aaatgaggtc actggaggat tgtaaagag tacagcatgt
120ttgagtgtca cttgaaagg tccagtggag aagctgaaga agtaggtaaa ggtaagaata
180accaagggac agaagtcctg gagcagggag gagggaatgg gattctttaa aacctcttca
240tcaagaaact aggaaaaaaa accaaagctg taccatctca gatttcagag aaaggaatt
300tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact
360aggaataatc ctagtgcagt taactctgaa caaaatt

397

<210> 2223<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gggggagggg gaggagcatt tgttatgtgg ggcagtcaga aggaacatgt
60aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt

120atatttttttga gacagagtca aactctgttg ctcaggctgg agtgaaaaac atatacctca
180tctcactgct gactcagaca tttgtgtcaa agagaatata ctgcctaata cctccgagcg
240agtcttatta cagatgcgca ccacccctac ccagttgttg tcattataga catcacttac
300gcccataata ccccttccag tattgtttgg aaaaaattgt tcttattctg tgaccaccct
360cttggaattt atagtgtcgg gagacatccg cctgcg

396

<210> 2224<211> 395<212> DNA<213> Homo sapien

gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca
60gcttgggtga cagagcaaga ccctgtctca aaaaaaaaaa aaaaaaaaaa ttttttggg
120cccttttttt cttaaaacc aaattaaaa aaacccttgg gaagtttggc ccaccccccc
180ccaaaaggcc gggaaaaaaa ggcttttttt ggaaaatttg ggaggctttt tttttttttt
240aaccccttaa aaccgggaaa aaaaaagtta acaacaaaaa ttggtttttt tttttttttt
300cgggtccggg gggggggggg aagttttccc nccctcctgc tgcgtagncg aacactctac
360ttcctttgca cccttaaacc acaacttgag cgtcg

395

<210> 2225<211> 392<212> DNA<213> Homo sapien

acctcctggg aaggagctac taccaaatac taaagctact ttttcttact cgttcgtagt
60actgtcgaga atcagcttat cttcaccttc ttagactata tgtgaaaagg cacaatagga
120agtttgggca cattagagac aaatgtgcta tactttacgg cttagcctgc gcccggttct
180tattttatcgt caactgtgga caaatgatt ttgtttcatg agacaaaggg ggaccaccaa
240cttctacggt aatgtctgcc ttttctaga tagactgtct attacataac catatgtagt
300ttatttttaa ggagaattac atatttttct tcacatgtca ctgtagaag taaatcccaa
360tagtaagatt tccctaaaca agtattttct tg

392

<210> 2226<211> 397<212> DNA<213> Homo sapien

ggcanaagct cagtatgtct ctttcaactc tagtttttga ggcggggaca caggaggctc
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa
120aaagtgtcga aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180tttctggaga acctagact tcccttacta cagggacttg catgtectaa agcactggct
240gaaggaagcc aagaggatca ctgctgtccc tttttcttag aggaaatgtt tgtctacgtg
300gtaagatatg acctatccct ttaggttaag cgaactggta tgttagtaac gggtagaaag
360ttaagggtct tgtggtttac ccactgaaa tatgtta

397

<210> 2227<211> 392<212> DNA<213> Homo sapien

cgttgctgtc ggtgaaattc tgtattgatt tttctctaag gagaatatga catgcttgtg
60cttaccaga tcaagtgcac tgaggggcag tttgttttgc ctgaataaac gtaaaggaca
120agtaaaacaat ttgatgataa gctacagttt ttcttcaaaa gtaaatattt tatttatgag
180ctgatagttg gcttttgaat ccattatttc atgctttttt ttaaaaaaaa aaaatatcat
240aataactttt tgaagaggca tttgtccccg atataaattc ttttactttt attcactggg
300tgactaaat aatgagaacc ttgggtggat tttgttttac ttccaaaaaa caagggttagg
360gatgttttta ttcccctacc ttgaagaaag tg

392

<210> 2228<211> 395<212> DNA<213> Homo sapien

ggcagagaa tggatctgaa ttgacaaat agcatgccac actaatacta cagtcaacaa
60cagcccagag aacaattact atgtcagctg gaggtatat tatgattcta aattcttaaa
120ggtttttttt cctccataaa tcaaaaatta cttatgttaa accaaaaatt agttgggtatt
180tatggtcatg atcttaattc tcaagtttag cttaatcttg tatttcattg tttgtcttct
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgccccaa
300tttatttagt ttgtacatat tgaagaaaac ctttttgttc cttcagattt agaaagaaac
360agtttaacca tttatttctt ggtattctgc tgctg

395

<210> 2229<211> 393<212> DNA<213> Homo sapien

ggcagagat tatatggacc ccctaagtct tattttctag taaactgatg atactggaaa
60ttcttttact tgacatgcac aagaataagc tggaggcgat tatttccttt catcacagat
120tcatgaattg ttttaaatgc ttcttaagat ctggctttat aaccggttaa aatcaactat
180gatgatttta gataaccaag taggtattat aatacaaac aattttaagt gtaagaaact

240atagtataat caaagtaaat tcagttattg tatttgtggt gttgccttgc cttgcatgat
300gctgggggaa aaagagaaaa gaaatggttt tctttttgta ctttcattca gtgcacaggg
360aaaaaagcat gtattgtgcc accggaagac aag

393

<210> 2230<211> 159<212> DNA<213> Homo sapien

acaaacgatt tctgttcatt ctttaagcat ctatatttca tttgttgc acatatgcat
60atgagcccat ttaagatatt tgcataact tgatagaaac cataaagggtg tagcagttaa
120gtccagccac atttgggttaa tcagtgtttg atataattg

159

<210> 2231<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggccatgggt gtgacaaact ctgaatacca gaggacacaa agggagagga
60aaaactgttc tatttttttt cccaggtac atgtggaaaa attttgcctgc actgaaaata
120acccttgctt tctcttgcct ccaggctgcc cttttcttgg gcctgggggt gttgttctcc
180ttggtcagca ttcccttgggt catctatgac tgggcctgct catcgagtag tgacgaaggc
240cactgaaacc cgccgagaaa aagaaacatc cctgttgcct gctcagacaa gtcccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacptaaaat ggaataactt tttgatgca aaac

394

<210> 2232<211> 395<212> DNA<213> Homo sapien

ggcacgagag actctgtctc aaaattaagt atctctaaat acaggattat aatttctgct
60tgagtatgga gttaactacc ttgtatttag aaagatttca gattcattcc atctccttag
120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa
180cttatacatg gcctaaaatg tttctacaaa ttagagtttg tcacttattc catttgtacc
240taagagaaaa ataggctcag ttagaaaagg actccctggc caggcgcagt gacttacgcc
300tgtaattctca gcactttggg aggccaaagg aggcagatca cgaggtcagg agttcgagac
360catctcggcc aacatggtga aaccccgctc ctact

395

<210> 2233<211> 393<212> DNA<213> Homo sapien

cgctgctgtc ggggtcaccc tgcataaaaa cacatggagc agactgctga gccagctcag
60gggaagcggg gagaccccag gactgacggt gagaatgcaa ctacttgc attacacagg
120atatggcaga tcggtattga ccaacaaaat ggggaggaac tgatccagat gtggaatgtg
180acagagaatc ccttcccact gccatggaac atttataaaa ataatacatc gttaatacat
240gaagaaaggg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa
300ccattctaac taggtcaaa ttatacatca ggactgaaac cacaacata taggaaataa
360gataaagtct tttggttttt ttgagacgga gtt

393

<210> 2234<211> 391<212> DNA<213> Homo sapien

gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaac
60ttcaggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat
120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg
180gaagatcaat cgcgtaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat
240gattcttttc aaaatatgca gccagatgag cccaagggtc ttagtgaatg tgtaagcgtt
300caagagaata ataaggcggg tgaacttaac caagtcccaa ttctaaggac tcgatttcag
360aaaccaaagc caaatatagg aagaggaact g

391

<210> 2235<211> 396<212> DNA<213> Homo sapien

ggcacgagag agagagagag agagagagag agagagagag agagagagag
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120acacacacgc gtgaagacac ctctctgtgt gcgcgcactc cccccctctt tgtttcgtga
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240cccgtcttac acgttttctg gcgcgcgtgt gcattttttt tgtgacgcag gcacgggggg
300gtgtgtgaca tttttaaccc ccncacgccc cccctcgcta cgatgttctt tctttctttt
360tcgtccttgg ccttttgcct atagtgttt cccact

396

<210> 2236<211> 392<212> DNA<213> Homo sapien

ggcacgaggg ctgacgtgga ctgtccacag tgttcattgt ctggagtcag ggacggccgc

60acctgectcc gccggctcca gtgtgcgggg agcctctgcc tgagtgtgca ccaggcccat
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180gtttcctgtt gtgatgttgg acctgtagta ggacatggtg atttgttaat ttccatggga
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300aagttagac atctgcagag aggcaggcag cccagcccag gggacccgtt cctcttgaac
360cagtcattgc ctgtggcaaa tgtgtgtatg aa

392

<210> 2237<211> 395<212> DNA<213> Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgtctatg caataacaca tatatgaagc
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg
240ttggcttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag
300gatgtcagca tggttgggct ctattgaggg ctctcttctt ggccataga tggccacctt
360cttgtgtgt cctcacatgg ctaaaagaat aagag

395

<210> 2238<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggcaggctgt gatcggatc ctacagcctt accctcgtgt cctggatctt
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120gcatagtctt gtctgtaggc gtcctataaa ggtgatagga ctgaccacac cgtcaccttt
180cccggaaacc caagaggggag cgttcacacag agggagcgtg tagtgggggg aactgtttta
240taaattaatc cgtttattga aaggttcaca aggacaaaga ggcaacagca agagttaggc
300acagaaataa aggcgcgaga agtagaagtg cgccttggac ctggaggact cttccagagt
360gtttatcact tggtagacctg gtaggagggc tgcg

394

<210> 2239<211> 396<212> DNA<213> Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt
60ctgtactctt gtccttactg ctgaacatcc tgcttgatc aggaaactca gaagcagttt
120gccttgtcaa attcaatctc aatggccatt gtccacataa ctgatacccc atggctgcct
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa
240cctatgggaa atttccttgg ttgggaacct tggccccggg ttgggttttc ccttcttctg
300gaaaattaaa acccaaaagc cctttttttt tggttgaatt accggagggc cttgccttaa
360ggggctgccc tgcccccttg ggggaataca aaaaaa

396

<210> 2240<211> 391<212> DNA<213> Homo sapien

ggcacgagct ttcttaaaac catctaaaat aaaaccttct tatttttagta gtgtcagtga
60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgacctgt
120ctgectacca tctggacagt ttttgtttac tcttgggttc ccccatggag taaaagtctc
180aaatcatcta gcattgttct tcttatcttc aggtgatcca cccgcctcag cctcccagag
240ggctgagatt acaagtgtga gccactgccc ccagcctaca gaggactatt gagcatccaa
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttcctaata cctaagaggt
360ctctcatcta gcagaagaaa accaaacact t

391

<210> 2241<211> 392<212> DNA<213> Homo sapien

ggcacgaggt tgctcacagt gggttcacgag ttatcgaaca tgatacagtt aatgatttcc
60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg
120ctcataagat ttgggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcacgtct
300atatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcpaaga
360agtgtgccga ctatcacata aatggtgaaa tg

392

<210> 2242<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gagaggttta accttggaaat aaaagaaaga atcagcaaat acattatctg
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia
120aacctgttga ggtcttcatt catccttaca aatgtttatt atgctgagtg tcccaggtga

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct
240tcttgttga gtgctgtgt gtgggataag gtagacaaat aatataggaa attcaaaaaa
300ttgtttcaga ccatagtaag ttctatgcc aaatgaata gtccatatga taagaggaa
360agacattgtg agatgttga tctataggaa a

391

<210> 2243<211> 396<212> DNA<213> Homo sapien

ggcagagat aaaaccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta
60ccgtaggat agaatgtca gcaactcactg aattatggcc ttcctctcct gtgtctggac
120ctcctggcag cttatggttc ccgtttcctt tggataacag gatacagctg gtggcaaaat
180tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatcttt gcaaagcagc
240agaaaccatt ttgacaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata
300acatgtccat gagttcctct ttctagaggt accaaccatc atgtgggac ctaagtatag
360tgtaaagtag ctctttgtcc tccccttcac tttgag

396

<210> 2244<211> 392<212> DNA<213> Homo sapien

ggcagaggc aggggtggagc cctctgagct gcccgtgat ctgcagcact ggatctccta
60caacgaggcc agcagccagc tgctccgat ggagagtagg ctgagtgatg tcaccaagga
120ccagtgaccg ccaccttcac accgtctgcc ctggccacca tcttgggctt gggggctgcc
180cacagatggg cagtctcagc catactctgt tccagctgga gtacccctct gaccagcctg
240gcccacctg ctccaccac tgggcccccc cagtattga taccctctg tgctgggctc
300cacgctaggc agaaggagga gtggcattgg catcctgacc cagctctgcc ctcaaggtgg
360ggatggatgg gcaaaggaga gtctgcctg gn

392

<210> 2245<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggttttcac caattctac tcgtagcagt acattagaaa ctacaaagag
60tctcttctac attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg
120gtcagaaaca ggagctaacc atatttcacc tttcctaagc cagcctctt tctctctca
180tctctcatct catagaacct gtttaaacc aggtacccat catcctgcct taactcctgc
240acccattta ctagccggat catctagtc aactccatta cctaccatta acactcatcc
300tctgactagt ggtccacacc atgtgttca tcaccctcat ttacttcca ctgtgttacc
360tggagtgcct actgcctct tacttggtgg ccaccca

397

<210> 2246<211> 396<212> DNA<213> Homo sapien

ggnacgagnc cgctctccc tggcctgagg ttcaaaggcc tcacggatg gtcagtacag
60tggggtcacc tgtgtttct atacaacagc aggggaaggg catggagct tttccctgct
120gggtgctcct gctttggccc agcccacctt tctggtgct ccaagctagg aggtgtggc
180cccagcctga ggaggggtgc ctggcctcca ggtgtgcagc aggggctgtg tgctggggga
240ggttccagtt aggcgatgg atcctgcagt ggtctggtg catttcttgg aaccagattt
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc
360caatggcctt ttgtttgggg gcctgaggtc aagaga

396

<210> 2247<211> 395<212> DNA<213> Homo sapien

cgttgctgtc gggcgtaag cacatctctt ttctggactg gccgactcct ttctggctcc
60atcctctctt gagcctctc tgtccagctt aaagaaatcc ttgcagaaaa ctggtcagga
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctca
180tgaatcggtg tcctttgggg aggcctggac tgaaatacta accagataac tcccctcca
240cctccatgag gagctgcagc tggattgaga gctgtttang gtaggcaaaa atgctgtcaa
300gattctctta ccctgtgct ctactctgg acagccctga gggtggctgc ctgccttctt
360ccttgcctgt tgatctaaaa tgcagggtgt tagcn

395

<210> 2248<211> 391<212> DNA<213> Homo sapien

ggcagagcc tgaagccagt agacagtga gaggtcggg ggacgaaccc ggcgctgtg
60gaggacgacc tcagtgtgct cctgagcctg ggcaggggg cggtggctgt gctagacttc
120attcactact gcagagccac cgtgtgctgg gaactaaagg gaaacatggt ggtccttgtg
180cacgacagtg gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac
240cagagccatc tgatactgcg ggctgagggc ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtccaccg ggatcagagc
360ttcacttacc agtataagat acaggacaaa a

391

<210> 2249<211> 395<212> DNA<213> Homo sapien

ggcacgagggc catctggccc tcacctcccg ccgtagctgg ctgtgacgcc cgccatgggc
60acactggggc agtgacgtga gaagacgagg atgccacgca ggctgacaaac ggtgcagaaac
120aggcagaact tgatgaccgc ggagccccgg agcctgagct tggtcacaac gaagccggcc
180aggaaggtgc cgccaccacc cgctggcacc accagcctct caccagagca gactgtcggc
240ctcacatcac ccccacctgc aggagggcgg ctctttcctc tcggccacac ctagagcctg
300gttccgatga acgcaactct gaatgcctgg aacattcaaa tgctcttgtt tgaggaggtg
360gccaaatgta aatggattct gaagaatcag gaaca

395

<210> 2250<211> 397<212> DNA<213> Homo sapien

ggcacgagct ggccggcatta tctgcgggct tatgtctgaca ctaagctggc taatgtactg
60tttggccggg agctcgccaa ccagcttgag gccactggcg tcacctgcta tgcagccac
120ccaggggcctg tgaactcgga gctgttctcg cgccatgttc ctggatggct gcgcccactt
180ttgcgcccct tggtctggct ggtgctccgg gcaccaagag ggggtgccc aacacccctg
240tattgtgtc tacaagaggg catcgagccc ctgagtgtga gatattttgc caactggcat
300cggaatagg agcctccagc tgtctagac gaccgggcaa gccatcgct atgggagggc
360agcaagaggc tggcagagct taggcctggg gaggatg

397

<210> 2251<211> 392<212> DNA<213> Homo sapien

actgcacgag ggtcaatcca acattgttta tatcagttca cccgtaatga gaaacttcca
60gatgcgaata aactgctttg agaagtatgc acacggagac agtgtaatgg accaaaggca
120tatataaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct
180cttgctactc ctgatcttac tcttcattta aagagatttc agcaggctgg ttttaacctt
240cgcatagtta acaaacacat aaagtttccg gaaatcttag atttggtccc tttttgcacc
300cttaaagtga agaattgtgc agaagaaaat acaagggtac tctattcctt atatggagtt
360gttgaacaca gtggtactat gaggtcgggg cn

392

<210> 2252<211> 396<212> DNA<213> Homo sapien

tcttagacga ccaattatag gttatggagt ataattattac aagagtttcc ggggagaaac
60tttaggatat actcggtttc aagggtttta tctgcctttg ttgtgggaac agagtttttg
120ttggaaaagt ccgattgttc tgggttatac gagggggcac ttctctgctt tgggtgccat
180ggaaaatgat ggctatggca accgaggtgc tgggtgtaac ctcaataccg atgatgatgt
240caccatcaca tttttgcctc tgggtgacag tgaaagggaag ctactccatg tgcacttctc
300ttctgtctac gagctaggtg atgaggaaca gcaagaaaaa ctgctcatgg agtggctgga
360ctgctgtgtg acggaggggg gagttctggg tgccan

396

<210> 2253<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gattgccgtg gcgagcgaca agtcctcttt tgccactcct ggggtgaacg
60tcgggctctt ctgttctacc cctggggttg ccttggcaag agcagtgcct agaaagggtg
120ccttggagat gctctttact ggtgagccca tttctgccc ggaggccctg ctccacgggc
180tgcttatcaa ggtggtgcca gagggcgagc tgcaggagga gaccatgcgg atcgctagga
240agatcgctc actgagccgt ccggtggtgt ccttgggcaa agccaccttc tacaagcagc
300tgccccagga cctggggacg gcttactacc tcacctccca ggccatggtg gacaacctgg
360ccctgcggga cgggcaggag ggcacacgg cct

393

<210> 2254<211> 388<212> DNA<213> Homo sapien

ggcacgagga tctttatgca ttcccaacta ctcccttact gtcttttagc attcacagaa
60aaagccaact tgcttaaaaga ggaatcactt aaaaggtagg catatctaag atgctcatag
120aagaggaaga atgggacatg gccccatgct tatttttgtt tacaagtaac catggcatga
180gagagggcag agaaactaag ttgctgggga aagtttagag aactgaaagt ttgggaatag
240gttgaccaca tattatgcca gtgaccagta tgacaggaga tggggccctg ctgcccagtc
300tctccactga ataaagaata atgctcctct ttcagggtta taaagtgggg aaaaggaacg
360tcttctcaat gcaagaacat aagctttt

388

<210> 2255<211> 387<212> DNA<213> Homo sapien

cgttgctgtc gatttttgaa ctcaacccta tgaacaatgg gccattcaaa tggaaaaaaa
60agctgcaaaa gaaggaaatc gcagagaacg tgtttgtgca gaacatttga ggaagtacaa
120tgaggcccta caaattaatg acacaattcg aatgatagat gcgtatactc atcttgaaac
180tttctataat gaagagaaag ataagaagt tgcagtcata gaagatgata gtgatgagg
240tggtgatgat gagtattgtg atgggtgatga agaattgagat gatttactca accctttgaa
300actggatgaa acagatagat ttctcatgac tttatttttt gaaaacaata aaacgttgaa
360aagggtggct gaaaaccag aatatgg

387

<210> 2256<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gcttattttt gtctttcact atcgaggcc ttagaagagg tctacctgcc
60tccagcttta cctagtccag tctacccctt ggagttagaa tggccatcct gaagtgaaaa
120gaaatgtcac attactccct tcagagattt ctgttagaag agccaatccc tgaatgccac
180caagatctta atcttcacat cttaattctt atctctttga ctctcttcta caccggagaa
240cggctccagc tgttctagct ctctttcagt tctttgaacc tccccacctt aggggtctata
300agggctccctc tgcccaaat ggtctactct ccctcttct tcaacacatc cttagttta
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385

<210> 2257<211> 388<212> DNA<213> Homo sapien

ggcacgaggt ccagccctgg taatcctgat gcagaggggc cacaaccaca tttgggaaat
60gttgacctaa tgcacagcag gaaagcactt tcatttgcta agaagtttcc atatgaagg
120ccacgcagac ctgagcatgt agaaaggcaa ggggccaggg aagttagtag aacactgact
180ctgggggttat attgcctggg tttgaatcta atcttggtcg cttactggtg atgctacca
240aggtgtctgt accttcattt cccacactgt agaaataggg ataggatagt ggaaggattt
300gagatgagct gagaccatct gcatagaggg cttaacatag tgactgggac ttancaaag
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388

<210> 2258<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggctgaagct gtcacctgtt ggaatatcag atattaagga tggccagaag
60ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctgtt
120tcataatct ataaactgaa gagctacatt gtttaaagaa ttaattttg aaataaattt
180accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt
240atagcatatat aaataccacg gccaaagagg ccattccctc cttaactga gaaaggaagt
300atacaaaatc cgcataaatt taccggcagc agtccccctg cttgcattgt aggtgtcaaa
360gcccgggtgc ctgacttga cataggaag

389

<210> 2259<211> 385<212> DNA<213> Homo sapien

tacggttgct agattacgac agaaggggag tcagatggga gtgctgttta accttttcag
60gaactgtcag actgttctga agagggtaca ttattttaca ttccaaccag cagtgtatga
120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt
180catctcgcat gtgaagcgcg tatctcattg tggtttgat tcacctctcc ctgacgggtg
240acgacccac ttctcattgc gtagcctcat tacctccccg cggcctttct tcataactg
300gttgctccag gaattacctc attcatctcg cccccgattt cctgtttgag cccgcttctt
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385

<210> 2260<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gctctgaagg aggtcttcaa ggagtatttg attgaactgt ttttcttgca
60acactttcaa gggaaacatga tggatttctt agctttcaag aagaacatt atgccccatt
120acaagcatat cttaggcaga atgatttga cattgaagaa gaggaggagg aggaggaaga
180ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcaggga gcctggtagc
240aggggcccga agcacagtag agacggacct gttaagagg cagcaggcga tgccctccac
300aggaggaatg cccccacgc cgcaagccgc gcagctcgtt ggacagaggc agagtacgca
360gcagtatgac ccctccacgg ggctcccg

390

<210> 2261<211> 386<212> DNA<213> Homo sapien

ttttacgatt ctaaaatcct aacagatttt aactgttgct taaatattat ttcttggcat
60atatagcttt ttaagtcgtg ggggtcaaaga tagatgtact catttgagac ttagtgattt
120gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga
180aaagatttcc caaattttaa cctggattta gatgtttttt gggttaaccc tactgaactt
240tccaaaattt tcaggcttct gggcctaact caaactgtaa ttcatgagg ccggccaagt
300gatttttaat ctcatctaaa agttaccata agctctactt gaaccatttg ggttttagta
360taataaaaagg gcacatgtat tggggt

386

<210> 2262<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gatcattttg atatttcatt ctgatttctg attctctgat ttctgattcc
60taatgaggag agtaggtctg gatccaaatt ctacacagtaa aatcaagcag taattttctc
120tcataatctat tagggaaaga aaaatgatca cagtctgcta agagtcttga tttctttgt
180aatgcctcac atagtatgat aatcagcttc caaagcatca catgataatt acaatgatc
240cattaacatg tcaaggaaat tatattattt atgggtgtca aaaattatga agtagtgtat
300gattataagc agatatggca aatttgttca gttaaaccat agatgactac attttgagaa
360atactaagat aatactaaaa attatgccn

389

<210> 2263<211> 388<212> DNA<213> Homo sapien

ggcacgagcc ccagtttttg ggctcacttg tctgtatcc taacaactat ttacatagta
60tttacattat attagccatt gtaagtaatc tagagatgat ttaaagtata tggaaggatg
120tgtgtaaatt gtatgtgaat acaaacattt tatataaggg acttgagtat ctgtggatct
180tgatggggta ggggtgttcc tgaaccaat ccccttgga tactgagggg tgactatata
240cttaagccac cagacatctt gcataatcaca gacaattgtt tggggcccat gagctttaat
300tacaaaaatgt aatgctggga gaacatagag aagagtgtt ttgttttta aatgtacact
360tgaatctgta gaaatatact acatttgn

388

<210> 2264<211> 386<212> DNA<213> Homo sapien

ggcacgagac taaaccctcc cctagctttg gtttcccccg cagtctgaag actctaatac
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120tatatatcgg gggcgggagg aattacagac acttaaacca ttactgcctt ctccctcaaa
180agaataacag ctttggtaac tgggttagca gaggtgttag tggacttagg gttgtaaaca
240gatactcatg gactgacat cgatgagctc atgagggaaa ttagaaaagat aaatacatct
300gggatgtaaa ctggaagg cgaggctgtt caaatgttg gtgctattga attgtgatcc
360tcgggtgttg tacattgcta ataatg

386

<210> 2265<211> 389<212> DNA<213> Homo sapien

ggcacgaggg tggcccatct ggactcatgg tagtggttaa gaactggatt actgcaatag
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120agttaattac ttaaagctga taaactagc tgggtgcagt ggctcatgtc tgtaatgcca
180gcagtttggg aggccaaagac aggtggatca cgaggctcagg agttcgatac ctccctgacc
240aacatggtga aaccccggtt ctactaaaaa tacaaacatt agctgggcat ggtggcacgc
300acctgtaatc ccagctactt gggaggctga ggcaggagaa ttgcttgaac ctgggaggca
360gaagttgcag tgagctgaga tcatgccat

389

<210> 2266<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aacatgaggg aatgggcaag cctagagatg gtttcatgcc atctctagct
60ttgggagcca aattctgaaa cagaaacttt ctgtttccca taattctccc tcaacctcac
120atttttatat ccatttggat gcagaggcaa tateccatt ttacagcaga gggagatacg
180atttagttgc aactacatac agttagcaag aggtagagcc aagactggaa tcttcagttg
240ctagcttcag aatctgtgct ctttgtgtgc aaaatcattt ctaagcaaga acaaggattc
300tagattgtcc tcatccttac tacagagtca tatcagactc ggggcaagac ccaaaggctg
360caggcaccct gggcagggtt ataatttgg

389

<210> 2267<211> 390<212> DNA<213> Homo sapien

ggcacgaggt ggtaagaat ttataccctc caaattatgc gtctggtgcc ttggttgaaa
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120tttgaatta tgatactgat tttaatgccg cacatttgca tactatatgc ttgttacagt
180gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgtc tccatataat
240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata
300ctttcaagtc tccttacctg agagcagaaa gtgacattta aatttaaagg agttcccagc
360ctttgttttc agtgcagttt gtttcattggn

390

<210> 2268<211> 390<212> DNA<213> Homo sapien

ggcacgaggt gtgggattac agttgtgagt cactgtgccc agcatggagt ttcttatatc
60aggtgtttta gggagctcgc ttgcttattc cattctttaa tccttacagt gtgccacacg
120tataaagttt ataacgtatt aatgatctca ttacccaaaa ccagaacata atttcacaag
180ggttccctact tctgtattgt tttattatct caaaaattta aataacatgt tctgctgggt
240attggtcttg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat
300gaatttctga gactttctgc tgggaattact ttaagggtgt cttattagat gatgaaaagt
360tggtgagac acccttcaag tgaccatgtn

390

<210> 2269<211> 387<212> DNA<213> Homo sapien

ggcacgagcc taaaccatga gtccttatt tgtaaagggg acattagcca ctctccagca
60acagccctgg tacttcttca gtcctgggat gggacgtatg attagcctaa gcgaaccaga
120aaatccaggc ccgtgaccag tgacttgatc agggctggcg atatatctag gtaggccaac
180caggtggact cagtattttt gtgggtgcta ctggaaaatt tatttaattc taactgaatg
240tagaaacagc aacagacatg aaatggcagt tgtattgctg tcttatcatg aggtgagggc
300ctgaagctat ggtagccacc ctgtgaacct tgggaaggagg gttctacagg aactggcaga
360gtgagactg ggacgcaacc catgtn

387

<210> 2270<211> 385<212> DNA<213> Homo sapien

ggcacgaggc tgcattcaagc tggggtcttg agtccaggct tttggactga aacaaggacc
60tgaacatct aaaactacct cttgattcta taggaaggag atagggtgctg aacttgctca
120agagcccaga gagctgggtg tagctcacac ccgttccctg ggcattgtgtg ttctgtcctc
180ggctgcctcc caggagtcct caacctgggg tagtgtaaatt tctgtctctg cttattatca
240gacgtgtgtc cggaggtggg cgtgtttcac agtggggatg ggggtaggga ggtcccaat
300gtgctaagct acaatcattc tccctgagat tttcatttag caccagttt cttaaacagt
360gtttcagggc cctgtctgga acttg

385

<210> 2271<211> 386<212> DNA<213> Homo sapien

ggcacgagga aggcagttat atggnntttt actttttcat caattccata ccacgggag
60taactaaatg aaacatactt caaagaaaga agtcaaatta aatgactgtc attgccatt
120aataaaaaaca acaatctgag cttaacaaaa aatttaacaa acaggaaga cagaagatg
180gtatatttat tgctgacta cactggcata actcacttta acaaaaatta tcacatttaa
240taatataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga
300tttctaattc atccatttcc ttattcacta ttatatatga agcactacac taggtgcagg
360gtcattataa acaagttttt tctttg

386

<210> 2272<211> 388<212> DNA<213> Homo sapien

ggcacgagct tagccatcca ttgtgtctca aaactgtttt ggagggtgaat aactgtgagg
60caggatggag aaccttttgc tctcccatcc agaagggcac ctaaccaggc ccctggagca
120gacaaaagga gcaggaagtc aatcacttcg atcccagttc tctgaagccc aagaagaaaa
180cggattttcc ttcgttttgg ttcggaggcc tagtagagaa tttggattcc accaagttct
240cttttttcaa aaaaagtaaa cgggtccagag cagacaaaaa ctgtggaaac ttgaggcctg
300ggtagtagtg gttttgtttg attttgaggc tttaaagaga taaggagacg gtggtggagc
360tccgccacgc cgcgtggttc tcaacttc

388

<210> 2273<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gcttatgtcg tattgcttta cagecactac acttgattc ctgttgatta
60acttctccat tctcttaagc accttttagaa gatttagaag ttctctagtt ttaagtgtt
120caccagcaag tattccatcc ctacttgatg ttgctggtct ggtgtcttat ttctaaagt
180gaagcatctt tttttaaaaa agaatttgat tgacaatata tccagtccaa tataagtatg

240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaag atgcccgaagg
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360gccacaaga ctctaataag cctcactacn

390

<210> 2274<211> 389<212> DNA<213> Homo sapien

ggcacgagcc ggggcggggc ggggcgaggt cctaactagc tgggttagta agcggcgcca
60gcgtgcgagt ttctgtcgcg cccgcgtcgt cccagctccc tggactacca gtattgtcgc
120ccacgtgggc ttctctttcg tccgctcagg cctcactttt ctccgtaaac accccggcac
180gatggagcgg ccccagcgtt cgggagcggc cgggagcgg aaagcggcag tgcctggga
240gcctcgaaag ccgcaggggc ggcagctcgc ctccgaatga cctctgacgg aagaaataaa
300acggggcctg ggacgcttgc acgaaagaac ccgacaaaaa ccagagcccg cactcactct
360cgtactgggg aggtggactt cagggaagg

389

<210> 2275<211> 389<212> DNA<213> Homo sapien

ggcacgagac actgtcttga ctaanaaaaa taaaagggg aaaaaaaaaa angggcggtt
60gggttttggg gcccaaaaaa ggggtgggga aaccccggtt tttttgcctt atgcccccc
120ctggacttcc ttgggaaaaa aagcctattg gcctttccca aaaaactttt ttttcaaaag
180gaccggcctt gggaaaaaa gccccctgg gggctttttg ggggggggta aacccaggg
240agaccggga acctcatttc ttggccccg tttttatttt ttgtgaagct tttgaaaaac
300atttttttgg ccctttttgg gggaggcccc cccttttata accccaggga aacaagggtg
360caaactgcct aagacttccc cgggtggc

389

<210> 2276<211> 390<212> DNA<213> Homo sapien

ggcacgagcc cgagcggggc tgggactctt ttaagatgcc caggttcgca cagagacccc
60ggatcgcgga agctcgcgtc tcgaaaggcg gtctcacgcc ctgcccgtcc tgggttcacg
120gttttttcac acctcgggct gtccctgcgat cgaccacagc tgtgcaggag gggcaggag
180tatctgttgc tgcagttacc ggaacctttg ccaggactag tacaggacca cgggctggt
240gctcagggat gtctcgactg tgagttacag ctgcacgctc tccaggaaag aaggaatttc
300ctcttctcgc gaaacccac cacacagctg gtttctcatt ggtgctgctt gccattccc
360tgagctgtga ctgccaggag agtgggaggt

390

<210> 2277<211> 386<212> DNA<213> Homo sapien

cgttgctgtc ggcagaggcc atagccatag ctggggctca aacgagctgt cccggggggc
60cagaggccgg acaatgccaa gcccaaccgg gacctgaaac tgcaggctgg ctccgacctc
120cggaggcgag ggcgggacct tggccctcat gcagagggtc agctggcccc gagggatggg
180gtcattggcc ttaacccctt gcctgatgtc caggggaaac accctcgtgg cgccctggat
240gcccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga
300caggcgccct ggctccaga ggagtcctag cactgctgg ccatgagggc cagccagcc
360actgccctcc tcggccgcag cagggg

386

<210> 2278<211> 385<212> DNA<213> Homo sapien

ggcacgaggc aaagcctcgc ggcgaggata gcacgagtat tcaagcgcgg ctgaggccct
60ccttggctag tgctgggaca tggagccccg gcagccaagg ccaaccttgt gcattccgcc
120cacgtaggcg cctggggccc tggcttctct cgactgcctc tccactgcct ggaggtcact
180aaatgccctt ggaccacctc ctacgtgcca cagctgtgt tggccatcca aggttccata
240ttgagcataa aacagccctc tgccctaaag gagttaacct gttggaatca cataaaagg
300attctgacta ccaagcgcct tgaagttaag ttgaactctg aagacagatt gcctggctac
360aaagctcagt tccactacat atggt

385

<210> 2279<211> 390<212> DNA<213> Homo sapien

ggcacgaggc gtccttctct accttccact tccaccatgt gccgacactt ccctgacccc
60agtaacctct tctcttgggt ggggtaatgc cactgctga tgtctgattt attcatcgg
120tttcttctgt gtagctgtc ccccttgggg acagggactc gttgctcatg ttcacccggc
180aggctggaca cttcgtggag ggctccaaag ccggcagatc cgggggccgc ctctgtctct
240cccaggccct gcgtgttgcg gtgagaggag ctttctgtc tctgtggtt gctgctggag
300ctggtgaccg ggagagaaac aaggagagaca aggtgcccga gacaggtgcg gtgctcatcc

360aggaggcaga agacgtggac gtgtcccggg

390

<210> 2280<211> 386<212> DNA<213> Homo sapien

gttgctgtcg ctcacgcccc acaaaacccc acagccccca cccccgtccc ccccaatgaa
60gctggagttg aagatcgcca tctcagaggc cgagcagtct ggggctgctg agggcactgc
120gtctgtcagc ccccggtccc caatccgcca gtggcgaact caggaccaca ataccccagc
180acttctccct aagccctctc tgggcccgaag ctactctctg cctgatcttg ggccccctgg
240cccagggtacc tgcacctggc cacctgctcc accccaacca agccgaccac ggccgcggcg
300gcacactgtg ggtggtgggg aaatggcccc agccccgcca cccctcggc cctgtctccg
360gaaagaggtc ttccctctcg gaggaa

386

<210> 2281<211> 390<212> DNA<213> Homo sapien

ggcaccaggc gctttgtgac tggaggtctt cgtgggcagt tctatcagtg tgacttagat
60ggtaaatctcc ttgactcctg ggaaggggta agagtgaat gcctttgggt cttgagtgat
120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac
180cttacagata ggaacatagt acaagaagat catctatta tgtcttttac tatttcaaaa
240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaaggt gttacacaag ggttttatac aattcattca
360atgtttggag gccattatga aaacttcagt

390

<210> 2282<211> 390<212> DNA<213> Homo sapien

gcggagcgag caacacagtc ctttttcttt cgtgcgctcc ggccaaggc ggaaaaagac
60gaggacagtg ttcttcacag tactggacag ctcacagtcc gggctaagca ggggctacct
120tcacggacca taaaactcca agaggctcaa gaagggacag atcagccatc acttcattgg
180caactttgtc agggagcgct aggagccagg aatttacctg tgcggccaga tggcaccttg
240aactcatttg ttaagggtcg tctcactctg ccagaccaac aaaaactgag actgaagtgc
300ccagtctga ggaagcacgc ttgccccag tggaaacact catttgtctt cagtggccga
360acccagctc agctgaggca gtcaagcttg

390

<210> 2283<211> 385<212> DNA<213> Homo sapien

ggcacgagga cttctcagcc tgccgagcgt actggaagac aacgctctct gctgagcaga
60acgcacacat ggaggctgtc ctgcagagaa gtgccgcgca catgaggcac cttttgatgt
120cccagcagac cctgaggaat gtgccaccga tagtgtttgt tcaagacaag ggaaatgcag
180ctctagctga gcttgatcag ttactggcag tcgcagactt tggaccccg gatgaaagag
240acaactttgt acaaaatgat ttcaaggacc ctgatgcccc acaacctgc ggcaccacag
300agccgaccac aagctccagt ctgtgtggga tcgatcatga ggcgctcaac aagcagatta
360tgagtagcaa aaggaggaaa gataa

385

<210> 2284<211> 386<212> DNA<213> Homo sapien

ggcacgagag tcaagattgg ctgcctcatg ttgaggttca gagttacgac tcggactgga
60cagaggcgcc ggcagctgtg gtgattggcg gggagacctc cggcgtgagc ctggagtccc
120tcagctggc cgagagcact ggtggcaaga ggctgctgat cccgcttggt cctgggtgtg
180acagcctcaa ctcggccatg gcggcaagca tctgtcttt cgaagggaaa agacagctgc
240gggggagggc ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact
300tctgcttgag gacgtctgca gctcctccta caccagcaca ctgggtggag gctggcggag
360tcagtgacta tggccccac gttcag

386

<210> 2285<211> 385<212> DNA<213> Homo sapien

ggtgatggag ctgaaattgc agaaaaattt gttttcttca ttggcagtaa aaatggggga
60aagactacta ttattctaag gtgtcttgac agagatgaac caccaaaacc aaccttagct
120ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac
180ttttgggaac tcggtggagg aacctcttta ttggacttaa tcagcatacc catcacaggt
240gacaccttac ggacgttttc tctgtctctc gttctggatc tttcaaaacc taatgatctc
300tgccccacca tggaaaatct cttgcaagcc acaaaaagcc atgtagacaa agtgataatg
360aaactgggaa agacaaatgc taaag

385

<210> 2286<211> 389<212> DNA<213> Homo sapien

ggaagcaaaa aagattatat tcaggaaaaa cagatgagac aagaagagca gagggaaaaga
60catttagagg ctgccgtctt gctgagtga agaaacgcag atggtttaatt tgtagctagt
120cgtttccacc ccactcccct gctgctgtct ttgctggact ttgtggcccc tccaaggccg
180tttgtggtct actgtcagta caaagagcct ctgttggaat gctacacaaa actgcgggag
240aggggagggg tcatcaacct caggctgtct gaaacctggc tcagaaatta tcaggttttg
300ccagatcgaa gtcaccttaa actgctgatg agtggagggtg ggggttatct tctctccggc
360ttcaccgttg ccatggacaa ccttaaagn

389

<210> 2287<211> 388<212> DNA<213> Homo sapien

ggcacgagtg aaaatcaaag gagaagaatt tcctctgact ctgggtcggg atgtctctgg
60cgtggtgatg gaatgtgggc ttgatgtgaa atacttcaag cctggagatg aggtctgggc
120tgcagttcct ccttggaac aaggcactct ttcagagttt gttgtagtca gtgggaatga
180ggtctctcac aaacccaaat cactcactca tactcaagct gcctctttgc catatgtggc
240tctcacagcc tggctgtgta taaacaaagt tgggtggcctg aatgacatga attgcacagg
300aaaacgtgtt ctaatcttag gcgcttcaag cggagttggt acttttgcta tacaggtaat
360gaaagcatgg gatgctcatg tgacagct

388

<210> 2288<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gtggcactat tacagcgttt gctttgggtc tggaaacctc aggggcccgt
60tgggggactg gaggatatga ctatgatgtt aagctttggg attttgctgg aatggatgct
120tcttttaagg cattttgatc ccttcagccc tgtgagtgcc atctgatcat gttattacag
180tttagtaaca caggagacat gattcttgtt gtatctggaa gctctcatgc caaggtgatt
240gtcagagatc gcgtttgat gtattggaat gcttaaaagg agaccagtat attgcggaca
300tggccatcac caaggtcat actgcattgc tttatactgg ctcatggcat ccctaaatat
360agggagaatt tatgacttgc tcaccg

386

<210> 2289<211> 385<212> DNA<213> Homo sapien

ggcacgaggg acaagagaaa tacttgttgt tgcattgatat ctcagaatcg gaatttctaa
60ctgaagctga aatcatttgt gatgtgtat gcctgggtata tgatgtcagc aatcccaaat
120cctttgaata ctgtgccagg atttttaagc aacactttat ggacagcaga ataccttgc
180taatcgtagc tgcaaaagtc gacctgcatg aagttaaaca agaatacagt atttcaccta
240ctgatttctg caggaaacac aaaatgcctc caccacaagc cttcacttgc aatactgctg
300atgccccag taaggatatt tttgttaaat tgacaacaat ggccatgtat ccagaggatc
360attacagaga cagactctcc cgagn

385

<210> 2290<211> 387<212> DNA<213> Homo sapien

attcaattct gcacgaagaa aagctgagaa aatgaccact ttggtgctat ggggaggcct
60tgccatcatg ggcacaccgt ttggcatttt gcccgggctt acctgggtgg aatattcctg
120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc
180atattttgta atgacacgcc tggaaatagt ttatccacaa gccagagaca gacaatactt
240actatttttc cataaaggag ccaaaaagtc acgttttgac ctagagaaat acaatcaact
300caaggatgca attgctcagg cagaaatgga ccttaagaga ctgagagacc cattacaagt
360acatctgcct ctccgacaaa ttggaga

387

<210> 2291<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggtttttgta caagagcgca tactcatttc tttctctctt tttcaaatgt
60gactaaatca cacttcccag ggacaccaag ctgtttctga ttgcaactgt aacagcctgt
120gtaccagctg ggatttttgt attaaagcag tctatggggc tactatacca gcagaaaatt
180agaagtcttg ctctaaaaag cattttcagc aaataacttg tttgttctta aggtttttac
240tgccatcaatt tgtcagctaa tggatcacaa gtgattggga ctgcctggag cttttttcag
300ttatggtctt agatgtgagt cagagaatat tatctattga gtttcaccca cttctctgcc
360cctgtgcttt tacagactgg cctn

384

<210> 2292<211> 381<212> DNA<213> Homo sapien

ttttggttgt cacaactggn gggatgttgt tttcatctag aggatagagg ccagggtgct

60actcaacatc ctacaatgca tgggacaact cccacaacaa agaattatcc agcccaaat
120gtcattagtg ctgaggttga gaaatactcc tctaaagtag ataaactcct tgagtaaaga
180gaagtttacc atagcaactt tcagtagtac ttcaaagaag atagctgtat aaatgtcatc
240aaactatact atgtagagaa tcttaagtga taaccagggt cacggattcc aaacatgtca
300ttataaattg ttttatatgg tgctcactgg tgcatttttc cttttggata agggaaaaca
360ttattccact tactgttttt g

381

<210> 2293<211> 383<212> DNA<213> Homo sapien

cggtgtgtgc gctgggtgcg gtggtgctg cctataattc cagctactcc agatgttgag
60gcaggagagt tgcttgacc cgggaggtgg aggggtgagg gagccgagat cgcgctactg
120tactccagcc tgggcaacag agtgagactc cgtctccaaa aaaaaaagg ggggtaaaaa
180cctttgaaaa tggaccccg tttttaactt tttattggaa atcctaaagg gggcttcggg
240ttttcaaaag aattttccaa accaaccccc ggccggggga aatttgacct tttttggcaa
300acgggggaata ttttttttcc tggagccctt gggggggggg ggggaatttt gccttaagac
360ccttgggggt ttttggggca aag

383

<210> 2294<211> 384<212> DNA<213> Homo sapien

ctgacctcag gtgaccacc tgcctcgcc tcccaaagt ctgggattac gggtttgagc
60cactgcgcct ggccggggat tatgttttaa atgttatctt tcacagcgct tgaagttctg
120tgcttgaaac ctaagtcatt tggagtgtac ttgtttgtg ggtgtgctga gaggatcggc
180aacatggcaa ggtagttatt ataataaag gtgagatggg gcggtatgtt gtanaaccct
240ctaanaactac cactctacac tcactcttca agattctttt ctgagctga tcaaccatga
300ttttgatgac gtcttaccg agccctgaga aactaaaact tcctagaggc cacccttctg
360agaaaccgac aatccgtcta ctcc

384

<210> 2295<211> 384<212> DNA<213> Homo sapien

cggtgtgtgc gcgttttcaa attcacagg gagggggaat gtctcatact ccagccctcc
60tgagcctagg cctctgtga gatgtgtcac ctttcttgg acaccatag agacattccc
120cctcggatta gagatgtca acctgcatca acaaactaa agcctgcac tggctaccct
180ggggcgagtc ctgtttacag tgcctattcc tggagctgc ctctttttgc cttttgttg
240attatgtgat gtattacttt tcccagcagg ccagtgttag catactggaa gagggattta
300ataagctggc acccttgatg ctatgtcct aatccaacct tatttgctc attggccatt
360tccattatgg tggcagccct ccat

384

<210> 2296<211> 384<212> DNA<213> Homo sapien

gccgcactcc actgcacagg acacttatgc caccctcttg ccagatgcct ttgaagaaag
60agtcagactg gtccacctc cccagccc tggggctcct tgagcctctc tccagccttg
120gcaggaggag gaaaagcagc acctccctca gacagctgga aaggccctct tccctccag
180ctcagtggt cgggccaagg gtcaccagac gggatattgt cccacctcc ctaccaacc
240caagaacaca ctccacacc ctcttcgctg ctgcggtgtg aagcttcagc ctaaccaat
300cccacagagt ccatctcgac agcctgggat gacacgggtt cccagaggg ggacagagt
360ctgggtgtgg gtgccagttt agac

384

<210> 2297<211> 379<212> DNA<213> Homo sapien

ggcagaggc tatacacagc tctgttttgt caatgacctt tgttgtaagt ctcccaactg
60cctattagga gccacagcag gtgaggcatt tgggtgcagca ggaaacatgg ggactgccta
120ggctcgaatc tgtggcacc tgagcaatta cttaaattgt ggagcctagt tctcatctg
180taagatggac ttgagattcc tacctctcat gattactatg gagattgaat aattggtaaa
240attctcctag ctacgtgact gccacaggat gggcttttca gattttggct ctctttagct
300tctgtgttctt gaaagaaatt aatctgtata taacataaga aactttgaaa gtcaaaaaaa
360caaaaaattt taattcctc

379

<210> 2298<211> 384<212> DNA<213> Homo sapien

ggcagagggt tttctctgt taagctccat tgccctcttc cacattttgc tattattata
60ataaacatta taaatgttaa aaactcaaca atatgttgn aaacttattg ttttatgtac
120tctatgcttt tttttttttt ttgaaaagga atttttcttt ttttccccca gctggaagg

180aatggcctta atttttttta acaaaaactt cgccttgggg gggttaaagaa ttttcaaatt
240taacccttct gaagaactgg gaataaaggc ttggcgaccc ccccttcagt tattttgttt
300ttttaagaaa accccgggtg tttcaaagta aaaagggggg gcttggaaact ccgagcccaa
360gggggtgccc cccaccttga aacc

384

<210> 2299<211> 384<212> DNA<213> Homo sapien

ggcagcagca aagaatttta ttcaattaaa ctgaaatgc atctggattc ttaaagggtc
60agttagtgatc actgggacag ggcgatcata aaactgaatg ggctgtcggg aggtgtcggg
120gcagcagcaa gggtagacatt gccactgacg ggggcttccg aactggggac gtttgcatt
180gggatgtggtt acaagttcgg gctgtggaaa ttactcgatg aaaaacgcac attaacgata
240gccatgaaat attagtttaag ggaaactagg ttgagaaatg agacagcagg atctatcaga
300gectggcatt gttegccaca gcccaggtag tgattaaaac gactgtcaag cggcagtggg
360tgggagctga ggagcacggn gctg

384

<210> 2300<211> 384<212> DNA<213> Homo sapien

cgttgtgtc ggttagtgc gagtttccac agccaggtag tactccgcca gtgacctgg
60acagtaacaa aacatataaa gcccagagccc aaaccccgcc accatcatag gtctgtagtt
120actgtggaat caataagcca tggcatctaa gaaatttgct gttaaaagac ggggtttggc
180tatgtaaactc aggttagtct cgaactcctg agttcaagtg atacacccac tttggcctcc
240caaagtgtg ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa
300ggcagaaaat gtttgcctaa cacagtgtg gaattttgct gtcctcgtgg atcttcatat
360cttgccacaa ggttcaaaca aagg

384

<210> 2301<211> 384<212> DNA<213> Homo sapien

cgactctct gcttgggtat ttgagtttga tttaaacaaa gcgtcgtgga tgggaggtgt
60atcacatgat cattttaacc attgtgcctt ttaatgtgga aaatctgccc aaaataggac
120ctgtcgcagt ggttttcaca tatacaaaga agtggctaga atgttctctc agaacagcac
180acgggattag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattaagc
240ctgccttctg ttttcttctg gggccgcagg gttcctgtgg atgtcccccac cctcagattg
300ctggagtaga aaacttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt
360taaagatgct catgtagaaa gccg

384

<210> 2302<211> 380<212> DNA<213> Homo sapien

caagtttgat graacataaa ctgataaagt ttgaaataaa aagagacagg ttggtaggaa
60agaccattca taccctatcc ccaaactggc ttaagtccac tcccactgcc ccagctacc
120acctttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta
180aattctgttt catactccca caggteaact ttttttggag tttgacaata attattccaa
240gtcaagtaat tcattgattt tagtggaaga ttgttttcca ggtgttattc ttccatgcgc
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380

<210> 2303<211> 380<212> DNA<213> Homo sapien

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120ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga
180gtgtagagtc cctgggcctc taattctgta aaatgcggg aatagcatcc gcttctctga
240gctgttagag gtgtaacagg taaacccatg taaggtgctt aggacagggc tgggtctggc
300taagtgcctg taatatcgtc agcatcatta cctgcgttat tgtagcactg atcgccatgt
360cagctgcctt caaggctctg

380

<210> 2304<211> 383<212> DNA<213> Homo sapien

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120gcacagaaat cagagcctca ttccttatt agtgaagcat tgatgaggag agcagcgtct
180ttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct
240attactgaat atactaaggc tgtttatacc ttaacttctc tttaccgaca atatacaagt

300ttacttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc
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383

<210> 2305<211> 379<212> DNA<213> Homo sapien

gggaagagca ctagcccg aatcccccta cagactagt gcaagtggga cgctggtgat
60atgaggaggc agaggcagca cccaggagaa acagggcagt ggaccaatgg acagctccac
120cagctccaca tctttggaag ctagatttgg ggagagagaa gctctacccc agacttaata
180cccattgaaa ttccacctca ggtgtgtgt cctgtgtctg gtttaagtgt ccatggaagg
240ggaaagcctt cagtcagaa cccaacccta taccttttac ttcttaaatg gtgctaacca
300caggtgtccc aggtgtctct gtgccagtta agatttttaa ctttcaaggg gcagggcata
360ctgggaaatg tagtttccc

379

<210> 2306<211> 154<212> DNA<213> Homo sapien

aaagttctcn nnacacgac tgatggggc ttgggctaaa ggaggtccct gctgtcctgg
60agaaagtcct agaggttatc tcaggaatga ctggtggccc tgcccaacg tggaaaggtg
120gcaaggaagc cttctcccat tatcccaat gaaa

154

<210> 2307<211> 384<212> DNA<213> Homo sapien

cggtgtgtc ggggtgcttt tgcctttgat cccagctatg ccgaaggctg aggcaggaga
60attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcgctcat tgcactccag
120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaccc acccaatcc
180tttttttaaat gtataggggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
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384

<210> 2308<211> 384<212> DNA<213> Homo sapien

cggtgtgtc ggggtgcttt tgcctgtgat cccagctatg cgggaggctg aggcaggaga
60attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcgctcat tgcactccag
120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaccc acccaatcc
180tttttttaaat gtataggggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
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384

<210> 2309<211> 379<212> DNA<213> Homo sapien

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120caaccggcc gtgggggctc ccaggtggc ccccgcaca cggactcgtc ctgcttgtc
180acgcctccca gcaactccact tggccctgag cctggggacc ccgactggcc agagtcggc
240ggccctgtg gaaaagcgt cccagagagg cagaggaatg gaccagcgg cctccgggg
300gcagctccg aaggagactc tgcagccctt gcggaggagt cccctccagc cccgtccagc
360cgagctcca gcaccgagg

379

<210> 2310<211> 380<212> DNA<213> Homo sapien

ggcaccaggc gctttgtgac tggaggtcat cgtgggcagt tctatcagt tgacttagat
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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggtataa cttcgaggac
180cttacagata ggaacatagt acaagaagat catcctatta tgtcttttac ttttcaaaa
240aatggccgat tagctttgtt aatgtagca actcagggag ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaaggt gttacacaag ggttttatac aattcattca
360tggttttgag gccataatga

380

<210> 2311<211> 380<212> DNA<213> Homo sapien

cggtgtgtc ggcacttctc cctaagccct ctctgggccc aagctactcc tgcctgac
60tggggcccc tggcccagg gctgcacct ggccacctgc tccaccccaa ccaagccgac

120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagccccc ccacccctc
180ggccctgtct ccggaaagag gtcttccctc tcggaggagt gggagcctcc ccttctctca
240ccacatcttg ctgcgccag gcacccactt ccttctccga accagcagaa cccagggttg
300gttcaaccaa agggaaggag ccaagagcct caaaggacca ggtgctttca gaacctgaga
360ccaagaccat gggaaaggtg

380

<210> 2312<211> 378<212> DNA<213> Homo sapien

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60aaaaaagcca ctatgcagat caaaaaaggg aacagggtta aggtgagtag aatactgacc
120agcccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcatct
180aatgcaactt catcaaagggt gagtcaggct tggattgac aaaagaaaga ggaaaactca
240cagttagtta gtggagtcca tttatgtagt tatgtgttct acctttttaa attgtagtaa
300actgagtttg gtagatattg attctttcat acattctact ccagttagta gatattaaat
360atatacatat attttatg

378

<210> 2313<211> 152<212> DNA<213> Homo sapien

catgatatcc tgaaccacac ggcaggaact gaacctggta aagagaataa ggagtttggc
60ctgagaaaaag caaactcttg cattctcaga caatgaggta gatcagttac cctacttca
120agcataagag ggaatgtgc tctcagcatt tg

152

<210> 2314<211> 377<212> DNA<213> Homo sapien

ggcagaggc aacctctgcc tcccagggtc aagtgttct cctgcctcag cttccccaat
60agctgggact acaggtgtgc gccaccactc ccagctaatt tttgtatttt tagtagagac
120aggggttttg catgttggtc aggtgtgtct cggaaactct gacctcaggt gatccaccg
180cctctgcctc acaaagtgtc gggattacag gcatgagcta ccgtgcctgg cctaaacctt
240acgcttttga ggttgagtgc aggccttgtg ataactaagt gctacttttg acgagccttc
300aacaagctgc ccagtcctct cctcagcaga cgcacaggt tgtagttgca tctttacagt
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377

<210> 2315<211> 377<212> DNA<213> Homo sapien

ccgagttgaa tcttctaage gcaagtctgc aaaggagaaa aagtcctctt ctaaggatag
60ccggccatct caggctgccg gggataacca gggagatgag gtcaaggagc agacattctc
120tgaggagcacc tctcaagata caaaagcctc tgagagctcg aagccatggc cagatgccac
180ctacggcact ggttctgcat cacgggcctc agcagtttct gagctgagtc ctcgggagcg
240aagccagct ctcaaaagcc cctccagtc tgtggtggtg aggcggcggt caccctgtcc
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377

<210> 2316<211> 153<212> DNA<213> Homo sapien

ctaaatcttt tcttttctgt tctccttaaa ttgattgtac ttccaaattt gctgttatga
60tttttctcta atactgtgat ctatctgac tgacagacaag aaccttgtct ctgttgaaga
120gcatcaaggg gagattatgt acacattgaa atg

153

<210> 2317<211> 376<212> DNA<213> Homo sapien

ggcagcagggt gtgttctctgt tgtggctaac ttaagaagc ggngtttctc agaattgata
60agaccatggc acaaaactgt gacgattggc tttggagtaa ccctgtgtgc ggttcttatt
120gcacagaaat cagagcctca ttcccttagt agtgaagcat tgatgaggag agcagtgctt
180ttggttaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct
240attactgaat atactaaggc tgtttatacc ttaacttctc tttaccgaca atatacaagt
300ttacttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc
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376

<210> 2318<211> 378<212> DNA<213> Homo sapien

cgttgctgtc ggtttttgtg tttttagtgg agatgggggt taccctgtt ggacaggctg
60gtctcgaact cctgacctcg tgatccgccc gcctcggect cccaaagtgc tgggattaca
120ggtgtgagcc accgcgctc gccagttggt acctaaactt taacacctt ccttgccgtg

180acgtccaagc ccccccttc ccacaacccc tgttctctg gggaatacac tgtttttgca
240ctttacctcc ctaccagcag ctctttccag attgcagggg cgagctggg ggaagcttgc
300agattgtttc gcaactgccgt gtaatctgtg tgcttgacac tggggctctg tcttccttga
360gttggtacag tgaaatat

378

<210> 2319<211> 373<212> DNA<213> Homo sapien

ccgagcanc cgtttttgtt cgtgcttttc cctttttacc ccttttttg aaggttaagg
60aggcggagcc cctatttttt actggcgggg ggggcctttt aggggttttt aacccctttt
120gccccctttt taaaaaaaaa ccgttttttt ggggcttggg aaacttcgaa aaaatttttt
180tttaaaaaaa ggggcctggg ttggaaccgt ttttttccca aaggaccggg gcggaaaaaa
240aaactttaccc ttggtccaaa aaaaaaaggg gaaaccttgg ccttcttag ggggaaaaaa
300ggcccgccg ctaaaaaacc cgggggggta cctttttttt aaaatcaacc ccttgatgat
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373

<210> 2320<211> 377<212> DNA<213> Homo sapien

ggcagcagat ttgaagttt ttaatggagt gacttgggccc caggaccag gaagttaagc
60agctcctcca cttcacccag ataacattga aaactccggg tgctgaccag ttttctgccc
120ccactccttt ccagctgtc accttctga gagtagaggt ctgagatgtc cagggtgtag
180attgggagaaa ccctggagag gagaagcaag agtcttctat aatctctaga taatcagtag
240cttagctaata tgaataaaga actgaataaa tgatttaata tgaaatattg ccatggtaat
300gctagtgttg taataaagat gtggcatgtc aggaggaaag tgcaaccgat atttgggtct
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377

<210> 2321<211> 377<212> DNA<213> Homo sapien

cgctgtagt ccagctact ggggaggctg aggcaggaga atcccttgaa ccaggaagg
60ggagggttga tgaaactgag attgagccac tgcactccag cctgtgtgat acagtgagac
120tcctgttga agagaaaaaa aaagggtggg gggctggttt ggaatcataa acataaatat
180tgaaagtgtt ggtgacctt aatactaaa ttgtgtggtc tgcagtcggg gagcatagag
240atgggacctg gtatttaata ggtgtggtt gcaatcagca tggcctgagg gcccaggaag
300atcacacagc tgacacccta cctgctttcc ttccagttac tctgacctc catgtctgac
360cctcctctcc aggtga

377

<210> 2322<211> 373<212> DNA<213> Homo sapien

ttcgttgtt gtcgggggtt gcccatcacc ttctattctg ctgggatcag gttttcttag
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120tcagaagag gagtgggac cactctcatc cagaggcccg tctgagagg caagtgaggc
180tgtgtctgt gcctgggctc cccaggtgg cactgtcgg tctgtggacc tgggtgaggc
240aaggatgcc atctggacat ggagccgaca caggtagtca gggggccagc gggacgtta
300ccaacagctg tcttttcccc acctcagaat agcattcctt tcgaacacca cggcaagtag
360ctgctcgtct cct

373

<210> 2323<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggggcgttcc tgtcggggtt gcagcggcgg gagggagccc agtggaggcg
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120gtaacaccac tgtgccaat gccccccagg ccaacagcga ctccatgggt ggctatgtgt
180tggggccctt ctctctcat accctggacg ggggtgggtt ggctgtggt atgtatgtac
240agaagaaaaa gcgggtggac cggctgcgcc atcacctgct ccccatgtac agctatgacc
300cagctgagga actgcatgag gctgagcagg agctgctctc tgacatggga gacccaagg
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375

<210> 2324<211> 377<212> DNA<213> Homo sapien

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120tgtgggcctc cctgagtgcc ctgagtgagg tggcagaagg ggtgagaggc catggcgtct
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240ctccaagcct cagttggcca cagtgagaag gggcctggta acactgtcct ggatgccagg

300ttgttgtagaa ggacccggct taacctctgg caggaaggag gtgctcacga ggtgggcaca
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377

<210> 2325<211> 377<212> DNA<213> Homo sapien

gccgtcaggt gcgggcccag gtggcaggcg cggccgttgg gcaactggggg acgcgggcgc
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120actggagatc tcctggatgg agttggatta agacagaaga tggctggaag agatgtgaat
180ctttagtca gaaacttgaa agagagaata accgttgtaa catcagtcac agcattatct
240taaatagtga agatggagaa atattcaata atgaagagca tgaatatgca tcgaaaaaaa
300ccattttaga aatgacacaa atactcaaaa ggcattggcta ttgcaccttg 360ggagaagcct
ttaatcg

377

<210> 2326<211> 368<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgaata tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaagtg aggggtctaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc accttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaaag

368

<210> 2327<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgaata tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaagtg aggggtctaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc accttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaaagca gt

372

<210> 2328<211> 150<212> DNA<213> Homo sapien

gaatttaaca cangnggata ccgaacttcc attctttagt cattccaggc ggatctgagt
60tttatattcg aacttttaac acagcttttg agttttgagt gacttgaatt ttaatatctt
120nttttaatac gttagcttaaa tgaacatag

150

<210> 2329<211> 368<212> DNA<213> Homo sapien

ggcacgaggt ccagggtaca gttccttttag aggttctctca ggtgaaacca aagagaactg
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120ccatctttga gctgaaatct gtggctgctg gctgccctgt gttgctgggc aaagacaacc
180caagcccggg tccttcaagg gattctcaga aaccacttc cccactgcag tcagcaggag
240accatttggg agaagaacta gatctgttgc ttaatttaga tgcacctata aaagagggag
300ataacatctt accagatcag acgtctcagg acctgaaatc caaggaagat ggggaggtgg
360tccaagag

368

<210> 2330<211> 372<212> DNA<213> Homo sapien

cgttgctgtc gcttattatt gctattaata ttagtttttag ctgccaataa taaattgagt
60tactgttgat agcaatgtca atgtcaaata taatacttgà aagtttttat ctcaacacat
120ttcttttctg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt
180gaagatctta aattcatatc cgtttgctta aacctgaact catcgtcttc ctccaactgc
240tctaccaca gctttcccca tctcagttga aggcagcgcc atctcccact cctatcgctc
300aggacagaaa cctcaggtt gtccctggct ctttctctca gctctgcctc ctaaatattg
360ccatcatcca cn

372

<210> 2331<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcgggtg cagggccttg gatgtcaggc caccctgtgt ggggtccctg
60ttggcagcca ggtccctaca caaacaagta atcctgtttg gcctcctagg ttttgcata
120gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt

180tgggtgactt taatggctgg ccacataccc ctttctccca gctactcatt cactgacttg
240ggtaagttct aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc
300ctgaaaagaa gagtttgctt aacatgggtcc taaagaagct tggaatttat aagactttcc
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367

<210> 2332<211> 367<212> DNA<213> Homo sapien

aattccggtt ctgtcggact tggcaccctc tgtgccctgg ggcccctgcc cagctggctg
60ggccacctcc gtgtctgggt tcatcggcag tccccaaagac ggtgctccag gcccttagac
120agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagcccggcc ctacgtctga
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240cggggggggc ggccatgctg ggcagcccac acaagccact gtcacctgct gtcgccacct
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367.

<210> 2333<211> 364<212> DNA<213> Homo sapien

cgatgctgtc gatctttctg tgtttttta tactctttta gggttggctt tttacaaacc
60atgactttcc acttgctgt agttttttgt ttgctttgggt ttggtttgat tttatatatt
120ttttctcctaa tctatgactt tattgttttt tcttaggtta gtaatagcat ctttgatcct
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240gaattaacta ttttaattaca gtgagctcat ctcttaaaaa ttgttcaggt gtaaatctta
300tgagaaacat gaaaaagcac actgatttat ggagagttga gctaaaaaca tttataaata
360tttg

364

<210> 2334<211> 366<212> DNA<213> Homo sapien

aattccggtt ctgtcggcat cttttatgta cacttgctta ttcagacaag atcctcatga
60tttcagaaaa aatatagaga gggtcctaga ctgcttaata gaggaaagaa gtatcctgga
120aagcttggtta agaacgttct agagccacaa catgattgta ggccaagggc ttgtttttgt
180gaccttgatc taagataatg ccatgggtga ttgtatgttg gaagaatctt tgattggaat
240ttggagtaat attaaggtag ttgtctttt ctgcagacat ttttaggagt ctttttgtgt
300gagtggtggt ggagtgtata gttttgttga acctagttaa attctgaata tcttccact
360aaaagc

366

<210> 2335<211> 364<212> DNA<213> Homo sapien

ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtcact gcactccagc
60ctgggcgaca ggtgagact ccatttcaca aaaacatgac ctggacaggg ctgaaccgga
120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaaatt ttttaacca
180agacccaaac ctaaaacccc caaaaggga aaccggacaa acttgccccc tggttttttg
240gggaaaaaca accttccggt taaaaaacca aatgggggccc gggggttttt ctgcccgga
300ccccaccat ttgggggggc aggggcaacc cccctttgg gcctaggagt gggaaacccc
360ccgg

364

<210> 2336<211> 147<212> DNA<213> Homo sapien

cgcgtgtac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg
60ccacaaatgg gcacatagtt taccttcact tttgaaaac catattaaga ttgagtcagc
120actccatag actgcttgat gaccacn

147

<210> 2337<211> 359<212> DNA<213> Homo sapien

actactgctg cgagaatacc acagaaggtt ttcgcgga gaataacgg aaggggaggg
60gctagatgca agcagagcac atccccgtt taaagcacta tgggtggctt acagtgcgt
120tagaaaaaag agaaattctt tttatacaat ataagttcct gcagaatgca gacactttct
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240cctttcttca gttttttata tagactttgt tgcacacac ctgagagatt ctgtgcatgt
300tcttctcctt gcctagaaag gatcgtccct ccactttcac caactaatcc cttctcacg

359

<210> 2338<211> 144<212> DNA<213> Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata
120attatctccc taagaggatg catt

144

<210> 2339<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggacc ccctaccccc tctaagggtc tcaccaattg
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120agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggct ttgggtccca
180gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc ccatgttctc
240atattcagag gtgctgggct ggactccac tgccagttcc ctgagctgtg cagggactcc
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342

<210> 2340<211> 188<212> DNA<213> Homo sapien

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60gccccctcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg
120gtccctgact gctgcacatg gcacaggccg ttccttccg gaccaggca ggctcagctc
180tggggagg

188

<210> 2341<211> 460<212> DNA<213> Homo sapien

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120cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg
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240ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa
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360ttgctttttt gcttctagga aaatattctg attatgatat gtgatattgt ggctactcaa
420agtcagaact tttcaaagta atcagtaaat tgaatcaaca

460

<210> 2342<211> 465<212> DNA<213> Homo sapien

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120ctcttctgctg ccgagattta tacaatgtgg ttgttttcc ttatcttgac taatcttccc
180gaatcttaca ttgtgcctta atttgacat ctgcacctct aatgtctgcc tatattatct
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300gcctttgggt caacacagga gaggtgattc caacgttaac aagttgggtc aggaaactgt
360cagctgttta tttttatttc aatctcttct gttaaactat aacacactga ttgagcaact
420aaacactaat atgcagagag gaaaaaaca caaaaaatat attgg

465

<210> 2343<211> 466<212> DNA<213> Homo sapien

gcctacgtag nccctgnan gttnnnatag attccagtc cgttgttgc gcaacattca
60gggttcate gaagagtttc ttcagatctt cagctccttg ctgcaggaga ggaggttccr
120ccgggactat tatgcactct tccccgaggc cgaagacatc agcttctgac agcaggcctc
180atcagctctg gacgagacgc ggactgcta catcctccag gcagtcgaga gtgcatggga
240aggggtgcac agacgggaaag ccacagatgc taaagaccca tcggtgattg aggagtctaa
300tggggagcct aacgggtgca cgggtgacagc agaggcagtc agtcaagcat catcacatcc
360ggagaactcg gaggaagagg agtgcattgg agcagccgag gctgtgggac ctgccatgtg
420tggngtgga ctggactctc tcatctccca agtgaaggac ctgctg

466

<210> 2344<211> 453<212> DNA<213> Homo sapien

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120tgcaatttca aaaactccag catcttctgt ttgttttct cggaaatgaa catttgtgata
180atgagtggat aaaccattc ctcaaaagaa atggaggctt cgtggagctg cttttcataa
240tatatgacag cccctggatt aatgacgtgg atgttttcca gtggccttta tgagtacaa
300catacaggaa ttttctgtg gtggaggcaa gttggtcaat gctgcatgat gagaggccat
360atttatgtaa tttcttagga acgantttag gaaatcatc cagacaggca ctaatgaaca
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453

<210> 2345<211> 423<212> DNA<213> Homo sapien

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120ctggtacctc ttcctattct ttattctatt cgattccatt tctgtgattc ttttattacc
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240gtattttaat aatgtatgag tgaccacca attccaacat taaaagtgt atctgggccc
300ataatttata gtgaaattgt atcaaacat agggaaactg tattactggc cattttgaaa
360atatgaaact tgagtattga aatatcca acatggaatg gcagtattct aatttcagtt
420agt

423

<210> 2346<211> 425<212> DNA<213> Homo sapien

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120ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc
180atgtgtctcag aacttttttg acaggatttt tgagaagagt tgcggaacat tctggtaatt
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300taattacttt tcttggagaa gaaaaaaat gctacagctg caacaaatgt atagttttca
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425

<210> 2347<211> 429<212> DNA<213> Homo sapien

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120caacttaaga cttttttagc atctgtatag ttgtattca atttgagacc ttttctatgg
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaaac atggaaaaaa
240aattgtgtag tgaagccaac agtggactta ggatgggatt gaatgttcag tatagtgtac
300tcacttagga gaatttgcag gagaaagtga tagtttattg ttttttctc gccatattc
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429

<210> 2348<211> 425<212> DNA<213> Homo sapien

cggtgctgtc gcagctgtgt tcaactacca ggtacctgca gaaggcctac agggtgccag
60gacttcttt aatgtgttct ttctttatgt gattatttga ttaatctctg cctccccac
120tagactgtaa gctccctgaa ggcaagaatc ctgtgcttat gctcaatatt agctctcct
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240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta
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360agctcangtg tgggaagggt ccaggggcag ggggtgcaaag gggctgaggc tgaggggggt
420gcaa

425

<210> 2349<211> 423<212> DNA<213> Homo sapien

ggcagcagga ttaaaatcat acaaatgggt gctgttctga gaatcagctc gggattgat
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120ttcagagagc aagtgaacce aaccaacaat gtcgtcatct aagccctgac cctagccagg
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240cccttcttt cttraaagct attctcacat tgcttttatt tcttctctct tcacctccaa
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360gagatggacc tgtctctata cagcagtaga tgattgataa gtgaggaaac tgaggcttac
420aga

423

<210> 2350<211> 425<212> DNA<213> Homo sapien

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240caagatgatt tatggttaata agatataaaa ccaaggaaaa taacctaaag tctgaaaaag
300accagaatcg aagtttccctg attcatattt taatgttttg aaatttatac tccaggctgg
360gtgcagtggc ttgtgcctgt aatcccagca ctttgggagg ccgaggcggc cggattgcct
420gaagn

425

<210> 2351<211> 429<212> DNA<213> Homo sapien

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120acgctgggcc agcaagccag ggtttggttg gtgcgggtgc tgctcaacct gctggtggtc
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240caggagatgc cccttgcca agagttgcca ctgctgaagc ttggggtgaa ttacctccg
300tccatcttca tcgtgggggt caattttgtg ctgccggccc gggtaagct cattgttca
360ctggagggct acactcggag gcgccagatc ggttttattc ttgtcaagac cgtgtgtctt
420tgcttcgg

429

<210> 2352<211> 428<212> DNA<213> Homo sapien

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120attgtgccct ggagagttgt acacatgttg aaatgtaatc tgggcttacc tgatccattt
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360tttttccctt agctatttat atatgcagta ctctcagta tatgcagaaa tactttttt
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428

<210> 2353<211> 432<212> DNA<213> Homo sapien

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120tggaaatatgt gttaacttat gcccgcac ccaactcaca cggaagcacg ggtcttgtct
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432

<210> 2354<211> 437<212> DNA<213> Homo sapien

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180ttacgggcag tggaacagag ggtggcttcc tatgaggagt tcaggggtat tgccttgca
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437

<210> 2355<211> 431<212> DNA<213> Homo sapien

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180gagatccccg cctatagcag gtggcaggat cccattttct cactggcgac tccccctgct
240gctggtgaag aaggcagcca cagtcggaag tcgtgtgca gaagcaaaga ggaggccccg
300cctggggacc gngtgcacc gcttagctcg gccccattc taaggggctg gtttggcagg
360ggcttgacaa aacgcacaaa aaggaagaaa gtgacgtaat cacgtgctcg atgaaaacaa
420gttgcacttt t

431

<210> 2356<211> 427<212> DNA<213> Homo sapien

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180ggaccaggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgtc cagtgtgga
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300ctgtgcaac actgtggtgc tgccccagtg gcactccttc tccaggacce acaacgtctg
360tgaactctgt gtcaaccaga cctccggggg catgaagccg agctcggta gcgtgccaca
420gtgcacg

427

<210> 2357<211> 427<212> DNA<213> Homo sapien

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60cccaggcctc cgtggcctcc tctgtgtga gtcccaccag gagccacgtg cccggccttg
120ccctcaaggt tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag
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360gcagtgtgtc cctcaggaac cagggtctc cctcccctt ctgctgtgtc agccccgtg
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427

<210> 2358<211> 439<212> DNA<213> Homo sapien

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300gtttcctgag tgtgcaaagc ttctctctcc ttccttgcc attcttcct ttaacgtga
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439

<210> 2359<211> 429<212> DNA<213> Homo sapien

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240ctttatagtg aagacagagt cctcaagcca aatagctaaa gctgttttat cacaacaaag
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429

<210> 2360<211> 424<212> DNA<213> Homo sapien

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300gaagccctc cgtgtgtaca gtgagcaggc tgaggccagc gagtcccgag tgccgcgtgt
360gggcagcagg aagctgtca ggaagagccc ccgggagggg aggcgaacc agagcctcag
420gagg

424

<210> 2361<211> 415<212> DNA<213> Homo sapien

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120ctgacctcaa tggatccacc cacttcggcc tcccaaagt ctgggattac aggcgtgaac
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240cttatgattg ggggtataac gtgtattct tcaactatct gtgccttggc tcttgctac
300ttggatcaga gagcagagag aatccttcat aaagaacaag gaaaaacagg tgaagttatt

360aaattaactg atgtaaagga cttctcctta cccctgtggc ttatatttat catct

415

<210> 2362<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tagaattaaa gcttatattt ctaatcaacc catttacagt atttcactta
60gcctatacct tattttagca tgagagcata atcttacact ttcattgctaa aataaggat
120aggctaaggg aaatactgta aatggggttg ttagaattaa agtttagaac tctaaatctt
180atgcttattt ttaaagaaaa aagttgcctc actgtcatga aatcctgtta ctttcattaa
240aaaaaaaaat cttgtaaaat ggttaaattg gataatgtaa gacataatga aggctttgag
300gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt agggttctct
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413

<210> 2363<211> 422<212> DNA<213> Homo sapien

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120gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga
180gagcgcccc cccctcttct tctccctctt ctttgttttt ttttttttcc cctctctctc
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300cttctctctc tctcgcgccg gcgctctctt tttttgttgg cttctcttct tgggccccct
360tctctctctc ctctctctct ctctcaccct tctctgtgtg tggtcgctcc ctctctcccc
420cc

422

<210> 2364<211> 414<212> DNA<213> Homo sapien

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120ttaaaagaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt
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240tgacatctca tccgtttgtg tttccaaaag ctgcttttac aggtcttagc cgccgccccg
300gaggccggtg tggcggtgac ctgcatgctt ccacctgcy gctacgggag aagtcttagt
360aacttggatc tggagtcttg aaaaacacaa acctacaaa tgcattcttc ttg

414

<210> 2365<211> 405<212> DNA<213> Homo sapien

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120aaaaaaaaaa aaccttcggg ggccgttttt ttcgtaaaac caaaactgaa aaaaaccctt
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240ggggaagctt ttgttttttt tgaaccctt aaaaaccgga aaaaaaagt aaaaaacaa
300aatggctttt tttttatttt taaggttcag gggggggggg ggggaatgtt nnnncnnc
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405

<210> 2366<211> 406<212> DNA<213> Homo sapien

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240aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc
300taaatcttatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac
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406

<210> 2367<211> 406<212> DNA<213> Homo sapien

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120attcaatata cagaaaaatta ctcccctggt cagtactgtt agcccaaat aatctgaaaa
180aatttgttct taaaaaaaaa acaatttgg aggccaggca tgggggttca tgcctgtaat
240cccagcacat tgagaggcca agttgtgggc atcacttgag cccaggagtt tgagaccagc
300ctggacaaca tggggaaacc ctatttctac aaaaaaatac aaaatttacc cgggcatggg
360ggcgcatgcc tgaagcccca gctactcggg aggctgaggc ggaagt

406

<210> 2368<211> 407<212> DNA<213> Homo sapien

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120acattcacaag gttaaatattg gtttggctga aagaattatg cagtaaagtt atttataagg
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240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc
360catgccttat tttccatttt tgacaccgca nagtgcattt tctgtcg

407

<210> 2369<211> 407<212> DNA<213> Homo sapien

ggcagagat ttcttgggtat tctgctgctg ggaatagggt tacttattct tttacatat
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa
120acattcacaag gttaaatattg gtttggctga aagaattatg cagtaaagtt atttataagg
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240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc
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407

<210> 2370<211> 407<212> DNA<213> Homo sapien

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120aagaaatag agatcagaga aatcaaagat tattattaaa ttacatttct tttggtatct
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240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa
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360ggtaaaaaaga gacaatagac taccagccaa tctcaatgtg tgaaccn

407

<210> 2371<211> 422<212> DNA<213> Homo sapien

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300atataatgaa atatttttg aacttaaatt atattctata tgtgtatctt cctaggcaaa
360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta
420tt

422

<210> 2372<211> 168<212> DNA<213> Homo sapien

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60taccaggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

<210> 2373<211> 410<212> DNA<213> Homo sapien

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410

<210> 2374<211> 422<212> DNA<213> Homo sapien

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120gatttttgag gcagaccgcc tgggatttaa aactttgtc tactactttc gagccatgtg

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240tacctgctct tgagattgct aagattaatg aaagaacgta tgagtctgtc aaatgtcctg
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420tg

422

<210> 2375<211> 406<212> DNA<213> Homo sapien

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300tttgaatttg gatttttttt ttttttgagg gggggaaggg tataaggggg gctaaaaatt
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406

<210> 2376<211> 420<212> DNA<213> Homo sapien

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120gaacatgacc taatttaaca ggtaatttg aagtgcattc gccaaagtaga agaccagcaa
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240ttgtccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg
300ataacctgtt tccttgctac tttgcttttg tgtaagcaga gttcctttctg taggtttttt
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420

<210> 2377<211> 420<212> DNA<213> Homo sapien

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300acaataagaa caaaactgta gggctctaaa gagaggggggt ggtttacaag ttatttgagc
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420

<210> 2378<211> 411<212> DNA<213> Homo sapien

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300cttataatct aaagggaaat atgtccactt gaactgaaac aactaagcac aatatataga
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411

<210> 2379<211> 409<212> DNA<213> Homo sapien

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360tgtaaacggn gtgtgtgagt gtgtgggttt aactntggtt ggcctcatg

409

<210> 2380<211> 411<212> DNA<213> Homo sapien

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411

<210> 2381<211> 417<212> DNA<213> Homo sapien

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417

<210> 2382<211> 410<212> DNA<213> Homo sapien

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410

<210> 2383<211> 414<212> DNA<213> Homo sapien

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120gggtactgagc tccctgttaa ctttctttac tcttggtttt agcattttcca tttccttgaa
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414

<210> 2384<211> 416<212> DNA<213> Homo sapien

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416

<210> 2385<211> 405<212> DNA<213> Homo sapien

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300aaacaggtat ctacatgat gctattgtct aagagtctaa acgatattgg cagaatttgg
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405

<210> 2386<211> 416<212> DNA<213> Homo sapien

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360agggcagcct gacgatcaca aatattccca agctcanage atcgtggaga cagctg
416

<210> 2387<211> 411<212> DNA<213> Homo sapien

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411

<210> 2388<211> 411<212> DNA<213> Homo sapien

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411

<210> 2389<211> 417<212> DNA<213> Homo sapien

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300ctgggaagat gcaggaggaa gtaggtagc tgagggaag ctggtggga taggcctggt
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417

<210> 2390<211> 413<212> DNA<213> Homo sapien

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413

<210> 2391<211> 407<212> DNA<213> Homo sapien

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407

<210> 2392<211> 405<212> DNA<213> Homo sapien

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405

<210> 2393<211> 411<212> DNA<213> Homo sapien

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411

<210> 2394<211> 411<212> DNA<213> Homo sapien

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411

<210> 2395<211> 406<212> DNA<213> Homo sapien

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406

<210> 2396<211> 415<212> DNA<213> Homo sapien

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415

<210> 2397<211> 407<212> DNA<213> Homo sapien

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407

<210> 2398<211> 409<212> DNA<213> Homo sapien

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409

<210> 2399<211> 410<212> DNA<213> Homo sapien

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410

<210> 2400<211> 412<212> DNA<213> Homo sapien

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412

<210> 2401<211> 405<212> DNA<213> Homo sapien

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240tcttgtggat ggaacggggg tactccacca ccgaggcttt ggggtggcct gccaccttgg
300cgctccttaca gacctgccgt gtgttggggg ggccaagaaa cttctgcagg tggatgggct
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405

<210> 2402<211> 421<212> DNA<213> Homo sapien

ggcacgaggg aaaccaatct actggattgt agctggtaaa gcccttgatt atgaacagat
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120atatgtagat gactatttaa aggaatttga gcagttaaac aggaggctaa atgaagtctc
180taagagagtt cgcataccct tgctgtgtc taatatactt tgggaacatt gtatacgatt
240ggctaatacga actattgtag aaggatatgc caatgtcaag aaatgcagta atgagggtcg
300tgccctgatg caattggatt ttcaacagtt tttaatgaaa cttgaaaaac taacagatat
360tagaccatt cctgataaag aatttgtaga aacttatatt anagcttatt acctactga

420g

421

<210> 2403<211> 408<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcgaga gaagccatga ataataacc agctggtttt
60agagaaggca tcaactcgtg aggaaaaggc ttagtttctg gatttgtag tggcataaca
120ggaattgta caaaaccaat caaaggagct caaaaaggag gacgagctgg tttctttaa
180ggtgttggga aaggttttagt aggagcggta gcaaggccaa ctggaggcat catagacatg
240gctagcagta catttcaggg gataaaaaga gctacagaga cttctgaagt ggagagtctg
300cgacctcctc ggttcttcaa tgaagatgga gttatcagac cgtacagggt gagggatggg
360actggaaatc aaatgttaca ggtcatggaa aatggaagat ttgcaaag

408

<210> 2404<211> 411<212> DNA<213> Homo sapien

ggcacgagca tggctttccc tgagccaaag ccgcggcctc cagagctgcc gcagaaacgg
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120aattactgcc tgactgcgg cagtgaacag acgctgaagc tgtggaaccc gcttcggggg
180acgtgctgc ggactacag cggccacggc tacgagggtc tggatgcggc cggctccttt
240gacaacagta gtctctgctc cggcggcggg gacaaggcgg tggttctgtg ggatgtggca
300tcagggcagg tcgtgcgcaa attccggggc cagcaggga aggtgaacac ggtgcagttt
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411

<210> 2405<211> 397<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagatatgag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagcgcg cgcgcgcgct ctctagagtg tgttttctct ctcccgtca tttacgccc
180cccccgccg gcaccccccc ccgggggggg gggccctctc tcttctctgg ggggagtttc
240tgcgcacaca cagcgcagag tctctgtttt tttttgcac gcgctctcgc cectctgtct
300ctctctcttt tctctctctc tcgcgcgcgt gggagactct ctttgccgcg cctttttctc
360atgtgtctat gtgtttgcgc gctatattat agagctc

397

<210> 2406<211> 402<212> DNA<213> Homo sapien

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60ggtacaaaaa ttagctgggt gtggtggtgc acacctgtaa tcccagccac ttgggagact
120gagcaggag aatcacgtga acatgggagg cggaggttgc ggtgagctga gatcacgcca
180ttgtacgcca gcttgggcaa cagagcaaga ctccagctca aaaaaaaaaa gagggggaaa
240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc
300acaaattttg atgaacgtta aaaagcctag tttgaggcgg ggcggggggg ttatgcgcat
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402

<210> 2407<211> 390<212> DNA<213> Homo sapien

ggcagcagtc ccagctacag gaggctgagg caggagaatt gcttgaaccc aggaggtgga
60ggttgcagtg agttgggac tcgccactgc actctagcct gagtgcaga gcgagactct
120gtctcaaaaa aaaaataatg aataaaaaat aaaacagcaa ctcttcgaga tttccgaat
180gtattgggtcc cagagaacac tgaaaataat gtcattgtgt taacaccagt gggagtttgg
240gaaataattc cagctcttta atactcttt cagcttcaga ttaagtgaat tgagtttcac
300atattttcaat atatgaaatt ttatgatgac acataaaaca ggccaggggt tattgaggac
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390

<210> 2408<211> 392<212> DNA<213> Homo sapien

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60acagagcttt ataaaactta aatgaaatga ttgggcttaa ccatatgcaa gaaagtctgc
120agaaaaataa tcacctagaa actataaata gaaatgtgt gctgagctg ggcaggttgg
180ctcacacctg taatcccagc acttgggggg ctaagggagg cgtatcacct gaggtcagga
240gtttgagaca agccttggtc acatgggtga acgcgctct tactaacaat aaaaaaaaaa
300ttacccaggt acattggcac atgcctttta tcccagctaa tcaggaggct gaggcacgag
360aattgctcga acccaggcgg cagagcttgc an

392

<210> 2409<211> 385<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tataaagtgg ggagtggcca atcaataaat
60cagaggcacc tgaaaaatga actggggaac cacactgact tccccccct tcttgattaa
120aacaacaaca attgcgaaaa gtcaacctgt cactcttag gaaagtttgc ggcattgaaa
180ggcaattacc caattgactt tttaaaagta tgaaaatttg cctggctgaa cgtttttac
240ttaatgccgt gagttaacat taataactat tctagctta gtgagctggg cttgaggggg
300gattaggaat catttggtat ctctggcagg gacagatgtt gacctggacg gtcggcgggt
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385

<210> 2410<211> 404<212> DNA<213> Homo sapien

ggcagcagaa taagagcagt atccttagct ctageccaagc atttttctaa ttcttgcctt
60tggtcacaaa gaaggaaatg cagagctgtg aatgagttag tggaggtcag tcacatcaca
120gttcaatgac tagcgattgc tgggtgaagta atattggaat ttggtacca tgagaagact
180tataaaggat ttcacagaa gttttcattt tttctaaatc ctcccctact caattttcac
240attggaaatt actcttgat ttgtagaaga ttgtctctaa aattgtggtt taactcacgc
300aggaagtaag attcctatag caagacatag tttcatttta gaggaccccc aaaatcccgt
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404

<210> 2411<211> 403<212> DNA<213> Homo sapien

ggcagcaggt gtgatttttc agaattccca gagtttactc attcttgta ttaaactcta
60gccagttgac atcttcgcaa ttcaaggac tgatagtgt gtattttctc acgttttcta
120agtttccgtt ttgcaaggcc taggtgactt tttcatggtg ttgtatgtt tagctctttt
180gaaaaggaa tttgaaatct ccatcaactg aagtaaatga tgtctgagtg ttacagtaaa

240ggtgaccaag tctcttttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt
300ttttttgagg gaggctcgct ttgtccccag gctggagggc agaaccacaa tcacggctca
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403

<210> 2412<211> 386<212> DNA<213> Homo sapien

ggcacgaggg gcatttgtga gaaagatgtc cctttcataa tatatgcagt atattccaga
60tgttttgaga gattacagaa taggaggcct gctccacttg cagataagtt tattataatt
120ctccagaaat gtgcaggatg tgcattagca aattgcactg tacttttcac tccagcctgg
180gggacagagc aagactcccg tctcgggggc ttaaaaaaaaa aaaaatgctg tttctaaagg
240aatctgagta tcttggggcc aaatgtgggt ttgtccaat ttatttaaaa agggcttgtt
300tcaaacgaat agggggcccta taggcaaacg ccttatattt tttaaaacga attttctgga
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386

<210> 2413<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggacttttga agatttttta aaaataaaag gaggtatacc acctccttgc
60tttggtatctt ttacaaaatg ttatacttta tggatataaa ggtgataaag attggaaaat
120aatcttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tcgtattctt
180tgggagtaac aaatactggg tttcatttta aaactaagga aaattttatc agtacttaaa
240ttcaatccaa aaaagggtttt ataacacca aactgtacat ttaaaattat gctttcttaa
300ggtaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa
360tcatttcagt gatttagggc tgtctcgtag ttggggaaga gaaa

404

<210> 2414<211> 388<212> DNA<213> Homo sapien

cgttgctgtc gaacatggga agcactgcag tttagtagtc ctggcccta agcccttcca
60gcccaggagc cagacctgtg agcaacaag cctttagtga ttccaggctc tggctggaac
120cttgagctct ctcagcttgg ggcattgcacc tcagggggag ccagcatcag tgtccagccc
180caagagcttc cctgtacgtc tcagttagtc ttcacatgcc tccaactgcc tggacaacca
240cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaat
300cgttttaaac tgctgaggtt tggggttaagt tactatgaag cagttagtag aagaacagaa
360gggccatgat ggggagaaaag ttggccc

388

<210> 2415<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gctaaacgca gataacgtaa gagtaacaag aaactaaatc aaggagcatt
60atatagccta cactgcagag actcaatata ataaaggtag cgattcttcc taattatcag
120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt
180ttgtttgccc tttagcttca cagggttggg ctgaaattta tgaggaataa attcttacga
240gcagagcagaa aaatttcgaa tctatttcta gaaactgcat atgatgatgg ttcatactca
300gagagagaaa gattggattt ggtggtatta ctagaagttc agggactcac taatagtcag
360gcgagtgcac aattaaatca cattgaact

389

<210> 2416<211> 398<212> DNA<213> Homo sapien

ggcacgagag ggaatcccc caactcataa attataaaaa tgacacttcc aagccatcaa
60tgaaggaggt gtcattcatta aagtggtagt gcaatataac aaagtgttta caaacaac
120accatccaac ataccctcaa atgtcctttt ttggttgta tacagtttga aaaaagccta
180cagttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaaat
240ttcttaggcc aaatcctgac agtatacca ctacgagttg gtaaacactg tttttaatcc
300tgctgaagaa gagaaacgag aacaccaagt aaaacttact ataaactaca aatatttcaa
360tatttacact caatatgagt tcgacacagt agtataan

398

<210> 2417<211> 388<212> DNA<213> Homo sapien

ggcacgaggg gcacttggcc atctcttatt tctctacaat aaggaatact tcaccttat
60ttgtaattcc taaaactaga ctaaaattta tgtacatatg tattcattca tttctttatt
120ttagtttgtt gatttaagaa tattcccaac agttaaacaa tgaaagtgat agttatatta
180cagatatgaa tgactaatta ttcctgcca ccacctacat cattttcccc ccagcttaat
240ggagggtttt ttgacaaaac aaaattatat atacttgcac ccagtcataa aaaagaatga
300gatcatgtcc cttgcagggc catggatgga gctggaggcc attatcctta gcagactaac

360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggggtgaact ttttatacta tacttttaca gatagaaatg aaagtactta
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120taaaattgaaa cttaagtttag ttttcaggct ttttaagggt ttcaaatttg aactggaatg
180caattcagaa tgtgctagaa taacatttct ccatttctcc agtgtcaaga tgggaaggca
240tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt tttgaaaaaa
300aaattttgtt ttgcaccca ggctgggggg gcgggggtta attctggctt cttgaaaaat
360ccggcctcca gggttaaacc ttttctt

387

<210> 2419<211> 385<212> DNA<213> Homo sapien

tcaattcggc acgaggtccc ttgttgccat tctgaatctg aatgctcttg tggctggaca
60actggactca gctaataagg catttctgat gcttttgtgt tcttatgcaa ggatggacct
120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat
180catctgggat agactgactc acaagttaaa agtaaggact taaaatctg acctgggaat
240taaatctagt ttaacatat gttgattctg tggattagac gattttctta gtccctctga
300gtcccacttc tctcactgag ttgttgtgaa ggtgaaatga gaacatgttt gctattagct
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385

<210> 2420<211> 389<212> DNA<213> Homo sapien

ggcacgagct tgaacttctg accccaaatg atctgcctgc cttggcctcc caaagtgttg
60ggattacagg cgtgagccac tgcgccagc cttgaggtag catactttct gaaataaaaa
120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg
180gtctaagatg ttctcttcac gctttgcaaa aaaatgagct tttttggagt ttaaattaag
240catcctctctg gtgtgtttgg ttttttagcc accaaaaatt taacaaattt gataacctgt
300cacgtgtaag ttcagaaagc actttggtct caattggtga cttgggggtt atttggtata
360aatataggat ctttttctaa aaattattg

389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggtcttc agcataagct gaaatatatg catgtaaaaa ctttgacatc
60ttttttttta attttccaact ttcttcttaa ctttacttct ctttttgtcc cccccccat
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161

<210> 2422<211> 397<212> DNA<213> Homo sapien

ggcacgagat aggggccttc tgagaagatg gaatggtgaa ggctgcgagt agtttgtgga
60tatatcagtc atatcttggc ataattcaac agcgtactaa tggatcaagg gactatttct
120aaggctgagc aggtttaagg aaaacatcta ggtgaaacat ctaagggcta gctagcaata
180ggagagccat tatcactctt tttttttttt tggcagggga atttcccggt accttttatt
240ggccttttgg gcaaacggaa cgggaccggt aaaaacccca ttggacttct caaaaatggg
300caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt ttaaatgggg ggccccttaa
360aattataccc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

cgctgctgtc gcttttaata tggatccac ctcataacaa ttaagtctaa atttctggaa
60gatggagcca tgcttggttt tccaaaagct ctttgagtga ttctaatttg tagtcagagt
120tgaagaccac tgctctaaat tagtgcagga aaatgctttt atttctccca tgtaacttt
180taaaaactagt aatgtaccca gtttaagttt gatggtttaa attccactaa agaacatatt
240cttctataata ctagcattta ttacatgaaa ttttaagagt taagtcccat caaactagcc
300cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt
360tcagggtgaga aaacataatg gatttttttt ttttctctct ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atctcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt
300ttttttttta tacgtgttct ctttctcaat aatatatcct ttgtctgtgt gtctctctct
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399

<210> 2425<211> 389<212> DNA<213> Homo sapien

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60tggggatgat ataaagaggt ggcgtgtgca tgtctgtgtg tctgtgtgtg ggcgaacatg
120tttggttaagt gataggctct gcacacgtgc acggcaccat catggttccc tccctgcagc
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300ggtgtttgga ggtgtgagggc tgaggagggg ctggtatctg cagctcttgc agcctggata
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389

<210> 2426<211> 387<212> DNA<213> Homo sapien

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60gagcccaggga gctggagggt gcagtgcagc gagattgccc cactgcactc cagcctgggc
120gactgagtgg agcggaaactc tgtctccaaa aaaaaaaaa aggggttttt ttaaaataac
180cacttttggg aagggtaggg gaaggtgaagg ggggcccaaa aacaactttg tttttttaa
240tataggcggg aagggaaaaa aatggaattt ccttgttttt tcccaaaaaa gacaaccccc
300caatttggca gggctaaaaa ccattcccgc ctttggaaa aaaagaaaac ttcaactttg
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387

<210> 2427<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gaaaaaaagg gggagttcat tgttgagrat gaatttaaag taaccagact
60gccttttgtc cagtggctgt cagtaattta cttcagcagg cttttttttt ttttgggggt
120ggtccataaa aaacagaacc ttttgggaag aaagggcctt ccagggggga ggcattccga
180aaagggggga acctctttaa ggaacccaac ccaaaaggaa acctggcccg ggaatttacc
240cataagaaaa acggtgaagg ggttttgttt actttttaa cgcacacac acaccacac
300accacacac acacacacat tttttctat actctttaa aaccgtagag ttttaacaat
360ccggggggag gggatttaat aatat

385

<210> 2428<211> 387<212> DNA<213> Homo sapien

ggcacgagcc ctttgagatt tctggctttt tgtagggacc tcagttccat tttcccaact
60catgggttct caatacctta actatctttt atttggcaaa ttccaagtcc tcaactcacc
120caccactacc tgaccactg gagtcaccac accaccctac ccactttccc agggatgctt
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240gacacctggg agtttccctt tctttcttgt aagatcagca ttacacaaac aagcacattt
300ttcttattat actttatcta gaaaaccag gtgtcagtgg cagaagcatt cctgaattta
360ttagatcat tgttttctg gaactgc

387

<210> 2429<211> 388<212> DNA<213> Homo sapien

ggcacgagga aagggctctc tgttctcac actcagcttc agcataagct gtgaggccag
60aaaaaaagtc agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc
120gcagtgggtc atgccagtaa tcccagcact ttccggaggcc gaggtgggag gattgcttga
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240aaccatcctg acccgccagt gctcttggtc tcttgagtgt acccaggtcc tccaagtgc
300ggtgtgcacc gagcgcgctt ggccgtgatgc cctggcctgt gagctgggga ctctggggcc
360ctgtgagccc ctatgcggca ggccagg

388

<210> 2430<211> 390<212> DNA<213> Homo sapien

ggcacgagag atattttatc tcctttattt gggacgcttg tttcttcagc tcagtttaac
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca
120atcctgcttg tgcattgtga taagcgagag gctaaggctc acctccatgc ccaggccaag
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct
240ccgggtgtgc atacacact ccaacctcat ccattgtgac tggcaccaga aaactcaagg

300aatatgggtt agcccccttat acccacgaat tgctgatgga acccacaat ctggagagtc
360gccaacacat tttaaagctg atctcatcag

390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta cctgccttt accccacttt ccttgctca cagtagtctg
60tgccaactct tggtgattt gtttgtattt acctccatgt ctcaatatga acatgttttc
120atgactattc cttgatgggt ttttgtttgc ttgttttaag acggtctcac tcttccccag
180gcgggagtg aatggcaca tcatggctca ctgcagctc aaccttctcg ggctcgggtg
240attctccac ctacgctcc tgagtggcta gaaatgctgg tgcacaccac catgcctagc
300tagtttttgt attttttgta gagacagggt tttgcatgt tgccaagct ggtcttgaac
360tccggggctc aagtgatctg cccgcctcgg cctgg

395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg cctgcggca cgccttcacc tacaaggctt atgctgacaa gaggctggac
60gcacaaggag ctctgtgct ctaagcaacc aagaggaagc atcgaagggt cagcatcact
120ggtctctgtc gccatctccc ctccacctca taccctgtgc aatagctggg gatgtgcact
180agccctccc gccaccagaa gccctaaggg gttgaaagca gaacccatt ttttagaca
240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaagaatt
300tgactttatt tagaaaggct actgaatata gaagacgata actcgcttgc tgtaagtcag
360gaaataaata gattctagga gccgggcaan

390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtttcat aacattttta taagtttggg aaactttagt cccattatat
60acttttgggg acagtgttat aaatcagaat tttacgacag ttgcagaac actgatttga
120aagcttcccta tgcaaatga gaaggggttc aaatatatta attatcatta agtattaaat
180aataggcatt agatgtctaa tgtgagtata attcatcca agccatctca gaaagtctaa
240aaggttggca gggggctcagc tgaagacctc actggagtgg gtcttaattt ttaaaaagtg
300tctcactaca ctttaagacat gtgacacatt cccattggta acaattgctc accatggcat
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388

<210> 2434<211> 391<212> DNA<213> Homo sapien

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120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtggctgtgc
180gaaacgactt tggtttttcc tctcctgtcc caggaactgg cgacgccaac cccgctgtgt
240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac
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391

<210> 2435<211> 404<212> DNA<213> Homo sapien

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120tatatttttc aaaaactctt aagtcttaca aagttatctc ataagaacag cctaatttc
180ttctttccac cactttgtaa acagtaatat actttaaaat gtgtaacatt tagcaacttg
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa tttttactgt gttatgctga
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360aagattagta catgcaact atagaagttt aggtagcaac ccag

404

<210> 2436<211> 393<212> DNA<213> Homo sapien

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120gggaggggtgt cgggtgacac cctgggctca gaccccgccg tcagcaccg tctcccaccg
180tgggctgcca cagaagctac aaggcaccgg gtcaaggcca agcaaatgaa acacgtaatg
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg
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393

<210> 2437<211> 389<212> DNA<213> Homo sapien

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120catcgtccct gtacattcca aagccactgt cctcccacac ctgggcaaca gtggcctcaa
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggagggcgt ggcaggatga
240aaggacgtgg cctcctcaaa ccatttgga aagggcctct ggggccacct ggctaagagg
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389

<210> 2438<211> 387<212> DNA<213> Homo sapien

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120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttgtt
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtggtgtt acagcatatg
240gtaaacccag cgagagtatc tactcagccc tgagtgtctaa tgactatttc agtgaaagga
300taaagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata
360taaatttagg aatgcctctc aagtgcg

387

<210> 2439<211> 391<212> DNA<213> Homo sapien

ggcacgagac taggcaagtt gctttggcat atatcattct cattaataaa acagacttgg
60ttccagaaga agatgtaaag aaattaagaa cgacaattag atccataaat ggactaggac
120aaatcttaca aacacaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca
180ggagctctga ggctcacagc tggcagtcta gttccactca gtctctactt gagaaattct
240ttcttttgaa gtacagcaga ggccttagag ctgactcttc taatgtatta gatcttcag
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360caacctcacc ttgatcagag tattgttaca a

391

<210> 2440<211> 402<212> DNA<213> Homo sapien

ggcacgaggc tactaagatg ggaaaaacta tcacgacagt ggcaccacct gatttcatga
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120gatgaatttc tataaacaat cccattttta tattttatta ttaaaacaaa aatacctctc
180tttgctagag agtatatgta tgacttaaat tattagctat ggtttgcatt tagtacatgg
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcacg
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcgaga
360ccagcctggc caacatggca aaaccccgct tctatgaaaa at

402

<210> 2441<211> 387<212> DNA<213> Homo sapien

ggcacgaggg gaagaggtgc aggagaagct gtgtttttta tctccacacg cagtatgaag
60ataaaattac atagtattac ctacacatag acagtattac ctaggtagat gcaactgtca
120cctgcgcctt tccagctct catTTTTgtt aggtgatttg ggatagggat agtgttttgg
180ggatggggg gagtgcttc tgcctgcttt gcgtacgtgc atgcgcgccc ctgctgggtg
240gcgcggggcc cctgcccctt ttcttgcctg tgccggacgg gaccggttag gcctcggagg
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360ccaatatcgt gcccctagcg ccacacg

387

<210> 2442<211> 391<212> DNA<213> Homo sapien

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120ccgcttctct ctgcatgga agccaacagt ttccaccggc gggagacctg gcacagaccc
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391

<210> 2443<211> 404<212> DNA<213> Homo sapien

ggcacgaggc tcaactgggag gtgcagctct ttctcctctt cctctaggaa ttccagaccg
60accatctacc atgactaaca acaatgaaca aagggcttag gggcaagagc tacctgcaaa
120gacgtgtcat ggaacccctc accatgcaat gccttgaact cagctctggc tgctcccaag
180aaaagggtggc tggctggggg cctggacaca agcacaatgg ggctgggtga gccactgtgc
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcataca gaccactcaa
300gggctgaagt gttggtaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccaccc
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa

404

<210> 2444<211> 395<212> DNA<213> Homo sapien
cggttgctgtc gcaagactgg acaactggtaa cagtatgact aaatatactg agaagctcga
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagttac
120aacttttggc cagctgatca tccaagttgc ttccctctct gatcaaacac tggaagtgc
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240aaccactgcc aggaccaatg ggaaaggaaa tccaggtgag cagtcgccga gccctgagca
300gttcataaac aacgcaggag caggggactc cagccgctca actcttcaga gtgtcatcag
360tgggtgttggg gaactggatc tagacaaagg gccag

395

<210> 2445<211> 393<212> DNA<213> Homo sapien
ggcacgagct aagactgctg tccctccgtt gactgaagga gatgggtatt ctagtggaa
60tacatgcgt gctcatcac cactcaaac acctgaccc tccaccaagc tgagcacaga
120agctgacaca gacactccca agaaactaat gtctgcaga ctgaaaatta taagtga
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240ggatcttgat caattagaaa atgtccctgt agagggaagag gaagaattgc agtcacaaca
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393

<210> 2446<211> 404<212> DNA<213> Homo sapien
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120tgccacacc caggagagag gtccagtctg aaagtgccca ggagccaggt gcaggcccg
180gacccctgg ggtgagggtt ggggcagggg agggctgggg gaccctgacc ttccatggcc
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt
300cagtcagacc gaggccaga gggcgtggtg ggttctttag cccccaggag ccagggatgt
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404

<210> 2447<211> 402<212> DNA<213> Homo sapien
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60gagaaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgcg cctataccca
120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatgggtg
180gaagaggttt ttcaaatgtc cctgtggaaa cagaagcatc tcttggaca gactccgaa
240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa
300gactggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt
360tctgaacagc cttanataac ccgaacttca gacattntcc cn

402

<210> 2448<211> 392<212> DNA<213> Homo sapien
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60aggccgtga agggcaccgg atgcccagga atcaccacct ggtaccagaa gcggtgccag
120ccagcaggtc ctatgcccaa acacttgggt aggaacacag ggctgccag cttcattcgt
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240gccaactggc tgccctctgg ctgtggggac cgcaagaagg gaccacaag ctgctggcga
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392

<210> 2449<211> 402<212> DNA<213> Homo sapien
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60gtcttctactg tccattccaa cagcaggagc agcgagcggc ctggaaccag cagagccaca

361

120tgaggagacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct
180gccacctcag tgacatctca gggcaccag actctggccc ttcagctgca gaatgccgaa
240acacagactg agagggaggt gccggagcca gggacagccg cctcaggtcc tggggaaggt
300gaggggttcag agtatggtgc cagtggagaa gatgcgtca gcaggatcca gaggctgatg
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402

<210> 2450<211> 393<212> DNA<213> Homo sapien

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120tgagtcattg gaggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta
180agacctggtg ctctgggtgg ggcctctgga aagggtatgt caactcatag gggaccttct
240ccaccttcac ccaggagacc ccaggaggac catggcagag ccggagccct cttttttttt
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360tgagaatagg ccaaagaagc caatcgctct tgg

393

<210> 2451<211> 392<212> DNA<213> Homo sapien

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60taccatctcg ggcccaagag ctgcactcac actcctacaa cgaaggacaa actgtccagg
120tcggagggat cagcagacac agaacttggg ggggtgtgca cgctggcagg tggcctctgc
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240cgctgacaga cacagctctt ccggagcagc cttcaccctt tctctgggat cagtgtccgg
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392

<210> 2452<211> 404<212> DNA<213> Homo sapien

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120gtgctcctc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgtctcag
180tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac
240agctggtaaa ccatgaagca tttctgtgg cagtggatgt tttctctcat gttgacaacc
300caacctttga agaagacgaa actcctaact aagagactgc tgttcagaaa attaatctt
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404

<210> 2453<211> 394<212> DNA<213> Homo sapien

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120gaggttctg gttactggtg ccactgggct tcttggcaga gctgtacaca aagaatttca
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240ggtttaattc gtggattcta atgcagatca tcacatcatt catgatttcc agattactga
300cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaatgga
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394

<210> 2454<211> 396<212> DNA<213> Homo sapien

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396

<210> 2455<211> 393<212> DNA<213> Homo sapien

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120ttctgccttg tccatggcat aggcataaga ccaggctcct gctgctcaca cctgggccc
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393

<210> 2456<211> 392<212> DNA<213> Homo sapien

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120tgaccccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga
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300tgcttattgg acatccttcg agggggaaga ggaggggaagc ggccagctca cccttcggg
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392

<210> 2457<211> 401<212> DNA<213> Homo sapien

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120acctctccaa ccttcacgcc ctccccctca. cccaaagggc acactgcaga gtccctcagt
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240acagatgagg atgaactgac tggaaacctt aagaaattat cacttgagaa atatcagccc
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360aaggagctgg gaattaagac agatgggtcc aggcagcaca t

401

<210> 2458<211> 403<212> DNA<213> Homo sapien

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120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca
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300ttgaattatg tcgggagagc tgatggaaaa agaggtcctt ggaggactgg taaaactgaa
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403

<210> 2459<211> 399<212> DNA<213> Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaat gaaaattctg acctaaaaa
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120gaattcaaac caaatgctga aggaatggt ggagagatta aaacaagaat gccgaattt
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300caatcaagct aaggagaaac tgcagcagc tgcaattgcc cagaaaaaga gaaaatctct
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399

<210> 2460<211> 397<212> DNA<213> Homo sapien

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120tactcttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt
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240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca ttggattca
360ggtgatctgg ccagatttcc tgaagtggta tttgggg

397

<210> 2461<211> 386<212> DNA<213> Homo sapien

tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaatctgg acattactac
60tttaatcaca tatgtatctg cctcagcta tggaggctgc cactttattt tcaaagagaa
120agtgtcaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc
180cttttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagctcat
240tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat
300taatgtggta ccagaccagc cttctgagcg tgccttgaga ctagtggcca gttcaaaat

360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

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120ggaggggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga
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300agaggatgat gagtacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca
360cctgccccgac gtggtggtat acaatgcagg ca

392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc
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120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttcogt
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc
240cctggaggag gtcattgcaga aatacatcag atacgcggtg cagtatgaca accactacac
300caacaccaag tactgttgt gccagatgct acgagaacag ctggagtcgc cccagggaag
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385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacaggggt tttcttagt ttgttgcta
120agagtacacc aaatgtgaca tcttttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgcca agtccn

386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
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120agagtacacc aaatgtgaca tcttttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
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360ggcagagatt gccaatgcca agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttaggggt cctctcagtt tgaagtattc ctgcccttct
60gaaagcacat ggaaactagc agtatcctct ctctcagag ttctttctat tgggtacct
120gttgcccggc agcatgcttc ttctggaaaa tttgacagta tgtggccaga actagccaat
180acttttgaag attttctctt tactaaaagc atacctccag ataactcttc tattcaagag
240tttcaaagaa atgaaaatat tgatgtcgag gtatgtcaac ttatcagcaa tgagatacta
300ccttatgcc aattttattcc taaggaattt gttggtcaaa taatgacaat gcttaacaag
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397

<210> 2467<211> 397<212> DNA<213> Homo sapien

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60ctgaacagca aagcatgggt cagaaacagc tagaacagat tcgtaaacaa cagaaagaac
120attgctgaatt gattgaagat tateggatca aacagcagca gcaatgtgca atggccccac
180ctacctgat gccatgtgtc cagccccagc caccctaat tccaggtgcc actccacca
240ccatgagcca acccaccttt cccatggtgc cacagcagct tcagcacagc cagcacacaa
300cagttatttc tggccatact agccctgtta gaatgcccag tttacctgga tggcaaccca
360acagtgtctc tgcccacctg cccctcaatc ctactag

397

<210> 2468<211> 390<212> DNA<213> Homo sapien

ggcacgaggc agccttctcc actcttccct ccttggagt ttcgcccagt acctttgccc
60tcaggcgagg aaggggaata tgcctggca ctgaagcaag agctacgagg agccatgagg
120cagctcccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac
180aaatatcaga tgtcaggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt
240ctaccccgagg agctaaagat ccgagtgcgg aagctacaga aggaacggat tacaattctg
300ctccccaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag
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390

<210> 2469<211> 387<212> DNA<213> Homo sapien

ggcacgagga tgaactcttc cccattggt ggcctcgctg ctctctaca actctgggcc
60ttcaagctgg actatgacag catggagcgg gaaattgctg agccactgtt tgacctgaaa
120gtgggtatgg aacagctggt acagaatgcc accttccgct gcctcctggc taccctccta
180gcggtgggca acttctctca tggctcccag agcagcggct ttgagctgag ctacctggag
240aaggtgtcag aggtgaagga caggtgcgt cgacagtcac tgctacacca tctctgctcc
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387

<210> 2470<211> 383<212> DNA<213> Homo sapien

actaactttt tctaagagaa attgattcct gttttgtcat ctgatgcaat ttgctcttat
60aaagagacat ttctataggt tcagagtaac tcacctccat gggctgacca aaggcttttc
120taatttttgt tactgatgag atgaaacctt ttgttaagga gatcttcccc aggagcattt
180ctgttgctt cttgacatca atgaaaagta gcattattct ttatgaaata gcagagaaa
240acacagggca ttcttaggac agtaaacgt taaagtactg gattaagaaa acaacaacag
300gctgggcgca gtggctcaca cctgtaatcc cagcactttg ggaggctgag gcgggtggat
360cacctgaggt caggagtttg tga

383

<210> 2471<211> 371<212> DNA<213> Homo sapien

cggtgctgtc ggtccgtttc ccatatattg agggataaag aaaattaagc ctgcctgtag
60gcacgtctca aacttgggag actcagaata caacagagta tgggatacag ggaggaaaga
120agagatgcag aaataaatta aaaacaagat ttgtttaaag aggaactgca acttctttaa
180ttgggcagat tgaaccaata aaagcacagt tcttccctt cactgttat cctttagtct
240cttcaacttt cacattgctt cactcactct ctctctctcc ctttcacctg ctcaccttac
300ccaacttgaa ctgtgccttc tgatctgaca caggatgaca atgacagcag tcattaccta
360gcagccattt t

371

<210> 2472<211> 383<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagctga gatcatgcca ctgtactcca gccagggcaa
60cagagtacga ctgtctcaac aacaacagca acaacaacaa caacatcttt cacaaaagct
120tatttcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct
180aggttaaaaa atttaagca aagaaataaa agttgatacc aggttagcaa agacaaggta
240aaaaatagta ctaagacact tcaggacctt taaggatatt tgaagaggtt tcaatattta
300gtatctaagg taaaaagagt tgatgcagta ttttcaggta aaggaaatcc ttgcaaaatc
360agactgattt gataatatta ggg

383

<210> 2473<211> 383<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tattatgtgg ggatttgcca atcaataaat
60caaggcact gaaaaatgaa ctggggaacc aactgactt tccccctt cttgattaaa
120acaaacaaca ttgtgaaatg tcaacctgtc agtcgttttg aaagtttgcg gcattgaaag
180gcaattaccc aatgacttt ttaaaagtat gagaatttgc ctggctgaac gttttttaat
240taatgccgtg agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg
300tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt
360ttacaaacct aaggacttca ggg

383

<210> 2474<211> 381<212> DNA<213> Homo sapien

tacggttgcg ataagactac agaagggtcg gcctcccaga gggctgggat tacaggcgtg

60tgccactgcg cccagccggn ccttgccttc atgtacctta gaattcagag gaaaaaagag
120atattaaaca aataaatata caaatgaaca tacaatttca gtgagggtta agtgccatgc
180aggtaaagaa ttaaggggtcc tgtttcattt actttttatc tgccttgacc tgtccttcac
240taattccaca aatacttact gaccactgca tggcaggctc tatgctgagc actgtgaata
300cagaagtgca tcttgatatg gggattcgaa ctgcatggag ctacaccgt ccaaccaga
360ttgacatata taatagggtc t

381

<210> 2475<211> 374<212> DNA<213> Homo sapien

ggcacgaggc tactactgcc actcccagtg tgctgacct tcaaagttca gcaacacctg
60ttaaagtcct tgcctctggg gaattcggta accatagacc aaaaggggca ctaagacctg
120gaaatggccc tgaattttta ttgggtcagg gacctcctca gcagccgcca cagcagcata
180gagtactcca gcaactacag cagggagatt ggagattaca gcaactccat ttacagcata
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac
360ttgaagatgc ttag

374

<210> 2476<211> 381<212> DNA<213> Homo sapien

cggtgctgtc gggccgggtg atcactcgag gtcagcatat tgagaccaac ctggccagca
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120gtaattccac ctattcggga ggctgaatca agagaatcac ttgaaccggg gaggcggagg
180ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcagat
240ctatcatggg aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt
300tcatagtata aattaaaaaa tggttgccta gcgctggaga ttccgggaag ggacacagat
360tctctgtatt gatagactgg c

381

<210> 2477<211> 380<212> DNA<213> Homo sapien

ggcacgaggc cctttccagc ttgggttca cagccttctg ttattcctgc tgtcaatttt
60ttgtctttct actgtgcttt tcaaccttgg ttattcatgt atcaccttca tctgtgcat
120tattaccatt taactgcagc aagtaaagac gttaatatgt aggtttttgg gaatgtggta
180aaaccgggag gtatatttga ctttgtccaa gttatctgat gaggcagatc agctaaagca
240aaatacagtg ggttgtccc tactatcact gggacctaga gatttcatct acatctctga
300aaatggggg ttctgtatga tagtatgggt gagaaggaat gacagcagaa ctatcaactg
360ttttctgtatt atcctgatga

380

<210> 2478<211> 374<212> DNA<213> Homo sapien

cggtgctgtc gggagtccac aataaggggg cctcatgcac atgattgaca gagagccaca
60gcggccttgc attgtttata acaccagaaa gggacaattt agaagtgcc tctctgtctt
120aacactaact ctctttaagc ctgatcacct cccacattct aatagggctt ccattgccag
180ttgttttcta gaatttttcc ttccattttt caggggaagcg tgaatgttgc tttaaatgca
240gcgttttaat gtgggtataa gctttttatg tgacttaaat tacataaaca tttcagttgt
300gctgaatata cctcttattt tctagatttt catgttttca tacagctcag gttttgatgt
360attgttgtc tttt

374

<210> 2479<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa
60ccttattaat gtatttttat caaactaat cagatttgta tttgaattgt taggaaaaac
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa ttttttttct
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc
240aaaaacaaat catgatgctt ttgttgggag aatttttgta ttcagtattt tgtatgtacc
300ttttttttt ttaaattgga aagcccaatt aggttaaca ttttaacttg cttgactcca
360gtgtaaaatg aan

373

<210> 2480<211> 367<212> DNA<213> Homo sapien

ggcacgaggc gactctagct tctggtagca gcccttcagt tcacctcct gccctgctca
60gaacccctg gacctgacat cgcggcttta acacccttg gtcattgtgag aaggaagagt
120gcccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag cacaacgcc

180cagccccgac agccagggat cagatcgggt ttcacttctt aggagggagg atgtactgca
240ggggaggccc acgtggctgc cccaggcctg gccagcctct gtgacccaac aggactgact
300gtttttacggg atggccacac ggtaccctgc aggctcatcc atgggtgggac cttgatgctc
360ctttgtg

367

<210> 2481<211> 384<212> DNA<213> Homo sapien

gtagcacgaa ggcccactcc aaggttctgg ccaggctgga ctgtaacagc agtaccagca
60ccaggaatgg ggccaccatg tgatctttgg gtagaaatga cttttttggg cttgagttt
120tctttctaga atgcacgtga tcccttatcc cagggagggt gtaaagacca cactgtggag
180atccttaaat tgatgacgat ggcctatcga agccttctga ccgcacagcc cctaacagtt
240tacaaaacgc gtccatgatg aggacgggtc cattagagcc cccaacgttc tgtgaagtgg
300gcggcacagg ttgggggaagg ggacttaatg gggttatgta atttgcatga aaatcacaga
360acctgaagtg gtgggtgaga ttca

384

<210> 2482<211> 383<212> DNA<213> Homo sapien

cgttgctgtc gcacatacat gcataggtat cctgtgtgtc cacatgcac attattatat
60aaatagaaac ttctgaacac cctcctaagt cactacagga tgccagcgtt tctattctt
120gggtagacag agccacctca gcctcctgat ggatgataca agaaattgtt acttcctagt
180atggaagtgt ctttaaggaca cgtctccatg atattttggt gaacccaaag tgctttatcc
240tcaacaaaat gttcctctgt tccaggttaa agtaatatc cctgcttcca agtaagcaag
300actgttctact aaagaaggaa ctttttagaa aactaatctc ctttatcacc caattttagt
360tctgcatgtt ccgaggtagc cag

383

<210> 2483<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggtctcccca gtagctggga ctacagacac acaccaccac gcctagctaa
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120gacctccggt aatccgcaca ctttggcctc caaaagtgtt gggtttacag gcgtgagcca
180ccatgctctg ccccataggg ttactttcat tccaccttca tgcttatggc cattcctctt
240atgctgctgg gtggacatag agcttcacca ccactcctcc gcctgtcctc tgtgtctgct
300gagcactaac tgcgtgcccc gcacagtact gagcccattg ctcatctcag caggttcatc
360ccagcaacct gggagggaa

379

<210> 2484<211> 377<212> DNA<213> Homo sapien

cgttgctgtc ggaaggtttg gtattgtaaa tgtgctgttg ttccaaagaa aaattagcag
60aggacttgag atttagaaaa gtctcctttg taatgtgcat cattaccagt tatctaaaga
120aaaacatgta aaagccaaca aaacccttga aaatatattg catatggatg tctgtttcac
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt
240actttcaaga acgtgagttc ttatttctgc aggccttttg tgcccccttt taaatgttag
300catttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgtaat
360ttaccttttt aaaaaat

377

<210> 2485<211> 375<212> DNA<213> Homo sapien

cgctgctgtc gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaacaa
60aaaaatccct aaaccattct gtttaactgt tagaaacct tctgtaaaat gaagaaaatg
120ggagacatgg aaactgattg ggggagttaa gctttactct catttttctc agccattaag
180aagctggaag tatgtttctt taaagaagaa aaattcacag tgtgccatct tatttctct
240ttctgccact ttttaaaaat cttcttatcc agaagttcag caaagtaaac caagtctggc
300ctaatacttt gatttacttg aatacctcta cgtatcttaa taattccttt aattttacat
360tgtgtaata tttat

375

<210> 2486<211> 372<212> DNA<213> Homo sapien

ggcacgagat tgtactggga agaataaga ggtgatacct ttactagatc cttcagacac
60atctatgaga agatttgctt atttaaaagt ctgccactg aggataggga aaggattaag
120gattttttcca cctcctctta gtaactctg aattaccaac atcaacttct ttctctccgt
180tcttgaagga accttgggga atcatcttca tccgtagtta cgctttcctg aaccttctca
240gtgggtttaca tgccctgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag
360gtaggatcct ag

372

<210> 2487<211> 155<212> DNA<213> Homo sapien

ggcacgagct ccgcgcggcc tcggtccct gcgccgccg cccacaaca aaactcagcg
60cagcgtcccc gggcgcccgg ttcagagcga cctgcggctc agagcggagg ggagactgac
120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg
60tggcatcacc ttctaagagc agagatgtga cccaataccc cttgttttcc ttaaagataa
120ccattaaatt atatccatga atttatatca ccgtccttga ctttatacgt agatttttct
180aattctgtca acccttaggg taatgaataa cttaaattggc caatgcctct gaataacatc
240atacttccct ttgtttctcc aaaaattgaa tcaagatgcc agggcaacta agattttctt
300caatttgcta agttaaaggc cagtgtattc attagccaat ggttctgtat tttattcatt
360ttagntttta ttcgg

375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg
60aaaggcgagg aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct
120tctagaaagt ggggtgggaa aggaggtagg gaggcggtgt gcagggacga gatctgtgtc
180agaacgtcgc tgtgagcggg taaaaaccc gagagaggcg tgagcagcgc tgtgtttgcg
240agcgggagcg agggcgccg gctggggtgt gtgctcctga gctcttcaga aaccaggctg
300ctttcaggaa cattgctgtg gattccagg gcctattcca ctagaagcaa gatggctgaa
360ctcaatactc atgtgaatg

379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa
60tgctgcctat tccctcgag tacgccctac ccagggatgt gtgttgaaga gccctggagg
120aaatggaccc agttttgcca catatcagta ttacgtgaa gatcagggtga ctggatgcc
180ccacctccca tcattgcctc ccatagccat tctgttcagt cagctcatcc acgctggatt
240cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga
300gagagggaca taggatcggg gactcctaca tgacatgaat aggctggaga ttgggaatcg
360gccatccacc an

372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattcttaa tgtgaaattt ctagatgaag
60gcaatttagc ttaatttgcc aagacatctc ttcatgtctg ggagggtgc tgggggaagt
120agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag
180tgggtttggg gggtcattgt ggcatattgtc aaggaaaagc aacattgcc tctaaatgac
240tcccacttct gttctggaaa aaacgcacatc tcattcatgc caccatccca atagacatag
300gaagcaattt ctcttcagg tttgagatgg tgcaagcatt gacttttctt tctacagagg
360gctgggatgg ggggg

375

<210> 2492<211> 382<212> DNA<213> Homo sapien

accgcacgag ggaaaatcaa acttcttggg tgttctagct ttgaagcttt tgcttcagta
60atatttgttt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact
120actttgcaga catacatatt tggaaaacag actgtttctt gttcactaga tagaatctgt
180attgtagtaa gaaactactt acaagggtggc ttctttctg ctttgctact ctatgtataa
240ctcaataata tatgtatggg cacagggtcc ctggagatgg tttatttctt tatgacagac
300acatgagtat gcacctctct ctagtccctc gatgtcactg cagctacagt ctcttctcac
360ctgtttttg agagccttca aa

382

<210> 2493<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gtgagaacgc aatgtcagg gtgggactcc ttctgcccct gcagtgggtg
60ttacgggcgg tgtgccctgg cgagcaagct ttgattcttg gttctttgag ctcgtttcag

120aggctgagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg
180agaatggctg tccctgcagg cgctcccgt aaatcctgag ctctctggcg caatctgaaa
240cttctcttct gttttctttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta
300aggagaaaga aatcgggggt ttctgagagc agatgggtgcc tttgtgggtg cagggtttt
360gtggaaattg tcacg

375

<210> 2494<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gaaagttcca tataatgaat taaaagaaaa gtgctgtgaa gaaaacaaat
60tcaggatggg aataggaggt ccaagggagt gcaagggtgt ttcattttga atgtgggtgt
120ctgggaaagc ctactaaaaa ttgagaaaag acttgatgaa agagaggagt gagccatgca
180gccatttggg ggacaacttc caggcagacg gccggaggca gcagtgcagt ggcgtagtcg
240gggcagtgtg tatgcctcct gtgtagcaaa cccagggcac cctttattaa gccaactatt
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371

<210> 2495<211> 368<212> DNA<213> Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt
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120agagaggtta gggccctggg aaaggtggga gatcagccag agacaggttt cccagaacag
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240taaacctccc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg
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368

<210> 2496<211> 378<212> DNA<213> Homo sapien

ggcacgagcc aaggcctggg ggccctcggt cccctgcccc tcgtaccat cctgtccttg
60gtggccctg aggaactccc tcctcaccac tgggtcccac agggctgagg tgggcagtag
120agggcatagg tyggtacatg tcccgggcaa ggtctctcgg ggggacagaa gtgagtccag
180ggagtgggtg ggccctggcg tcctcactc aaaatgccgt ggggtgagga cggtagggac
240aggggtggga ctgggttctg gtttagagtc agtaatgtta gggcgagtg ggcagggggg
300caggacatct ccagccgggt gtgaggaagc atgggtgggt ctcctccaca ggacgggagc
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378

<210> 2497<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gattttaga ccagactggg atccacagtt taattgaggg tttgctccag
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120aggtgctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata
180gatatcagtg atgtgtttag aaacacagag attggatttc ttcaagatgc acttaataag
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaatactt aaaaaggaag
300gacattgaat ccattacaaa ctttgcagct gaccatttta atcaggaaat cttacctgta
360ttccttaacg ccaatagaaa ctgg

384

<210> 2498<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gccatgccat tgacttgat gcagaagcaa tggctcttcc cctctatcgc
60cgaaccataa gaggaaggag cttggataca agacaagtgt acaccaaag tgaaggatg
120gaggttgaag atctctatga gcttttgaaa cttgttaagg aaaaagaaga agtagagggg
180atatcagtag gtgctatact ttctgactat cagcgtatc gagtggaaaa tgtgtgtaaa
240aggcttaatc tccagccttt agcttatctt tggcagagaa accaggaaga tttgctcaga
300gagatgatat catctaaat tcaagcaatg atcatcaaag tagcagcttt gggtttagat
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371

<210> 2499<211> 377<212> DNA<213> Homo sapien

gtccaagctg ctggccttgg agcaatgacg tccatgggtg gtaagggttg caaagattct
60tttggcaatg attatataga aaacttaaaa cagaatgata tttctacaga atttacctat
120cagactaaag atgctgtac aggaactgct tctataattg tcaataatga aggccagaat
180atcattgtca tagtggctgg agcaaattha cttttgaata cggaggatct gagggcagca

240gccaatgtca ttagcagagc caaagtcacg gtctgccagc tcgaaataac tccagcaact
300tctttggaag ccctaacaat ggcccgagg agtggagtga aaaccttggt caatccagcc
360cctgccattg ctgacct

377

<210> 2500<211> 346<212> DNA<213> Homo sapien

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180gttttttgggg ttttaataaaa ccaactagaa ttttagactta caaagaaatt attattcctt
240ttgggtgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttgggt
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346

<210> 2501<211> 344<212> DNA<213> Homo sapien

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120tttgataat gaaaaagaat gtctgggacc aatttaatat tcatatccag ttagtgagga
180acggagccaa gctgagcaga cttcctcaaa tccctactec cactttacct ccacccccat
240cagagacaga cttcatgctt taggtgtttc aaccaggcc ctctctggct cctcggatgc
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344

<210> 2502<211> 338<212> DNA<213> Homo sapien

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60agtcattcat cttacctcca agaaaaacat aacccaacc agctatttgc cctgctccca
120gtagaggcag acacacctga atgtgctatg aagagacaag ccttagggga gaaacagtgt
180gatttggaca aatcattcta taacagcga acctttcgat gtgttcaacg gctgcagaaa
240gcacaccaca ggtgagagac cagaagtgc ccaaggggtt ttatacaaaa aaactatatt
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338

<210> 2503<211> 335<212> DNA<213> Homo sapien

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120gggactctgc aactggggga ggcacggtta aattaacacc tgctgatccc atgggccttg
180gacagggttc ttgacttttt gggggccgct gtcaaagggt gagtataata acctcctccc
240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata
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335

<210> 2504<211> 475<212> DNA<213> Homo sapien

acttgaactt nnaaggatc ccacgatgc gtcagatct ccaactctc ctccttcttc
60taagccatca agtattctc ggaaatcac tgtggatctc aatcaagttg catgctttc
120tccagctgcc ctatcacctg ccagctcatc acaaagatct ggaactccta agccatctac
180tcctacacca accccttcat cgacccaca cctcctgat gtcagagct caactcctag
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300aactcagttt gctcagcagc aaaggctctt gagccaggca atgcctgtta caaccattcc
360tctttccacc atggtaacat ctataactcc aggaaccag gccaccagc tcatggcaaa
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475

<210> 2505<211> 446<212> DNA<213> Homo sapien

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120gtgtgttctt gctgttttga agtaatcaaa tgctgtgcat ggtattttac ctgagctgca
180acctgttatg gacttgaact tctgtttaag ttgaaagcaa ggtccctga gtataaagga
240aaaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaa agtctaaaat acccattggt
300gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt
360tgataattgg atatggttga ttatattgg gtttaaaactg cggagctttc atgtttactg
420gtaattagtc ttaaaatatt ttttac

446

<210> 2506<211> 444<212> DNA<213> Homo sapien

tagctccatc ttatacgcac gacccgctcg attccaagat cgctgctgtc ggcattggaag
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120tcatagttta aaacttgtat atctttacct atccttcgta tgtttcttc ttaagcatat
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240ttttccttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg
300ttcttaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa
360aattgtatgt tatataaaaa ttgacaagc ttctacagtt aggaaaagcc tttagaaatc
420tgccctcccc aaaccgtatg ttat

444

<210> 2507<211> 431<212> DNA<213> Homo sapien

ttcaaggacc acatgtgttc tctattttgc ctttaaattt ttgtgaacca attttaaata
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120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
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240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
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431

<210> 2508<211> 433<212> DNA<213> Homo sapien

cgctgctgtc ggccggcagg aaatttaaac tgaagccgcg gccgaaaacg ccaagagatt
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120gcgaatgtaa tacggaggcc tctgaggaag gagtacggag gccgagaagg agccggcatt
180tgatgagcga accgggaaag ggagacgatt gcctcgagct ggagagttcc atggctgaga
240gtaggctccg ggccccggac ctaggagttt ccagggtgtc aggaaaatgc cagaagaact
300caccaggtgc caggaagcat ccttttccg gaaagtcctt ttacttggat ctgctgctg
360gcaagaatct ccagtttttg acgngggcca ttcagcaact ggggtgggta attgaggggt
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433

<210> 2509<211> 425<212> DNA<213> Homo sapien

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60gttgaattta caaggaccta caagatggtc atgtttgtct tggatgtgc taccacaatt
120ttagtgtttc tttctttatt ttaaatcagt aattattcag ttgattgttt atactatata
180atgaagtaac aaaaacattt tggttgtat gttttaagta acagttgtgc aaattcctct
240tgtttgtag gtgctcctt tgaatatttt gtgaactgtg tcacagggag aggggtgggtg
300gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa cagggaggat
360gcaaagcaga catctacctt ggtcacccca ggatcaggat atctgtcctt ggttcattgt
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425

<210> 2510<211> 423<212> DNA<213> Homo sapien

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120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
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240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggc

423

<210> 2511<211> 421<212> DNA<213> Homo sapien

cgcacgagag agagagagag agagttattt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc
180cttctctcag tgagtgagtg agcgagtggg gtgtctcccc cccctctctc ctctctgtgt
240ctattgtctt tttctggcgc gtattgcttt atctctctct ctctctctct ctcacatata

300tattcccccc cccctctct ctctctcaca caaatTTTTT ctttttttgt tctgtgtgect
360ctctctctat aaaaccact ctctctctt tttctctctg cgtgtgtgcg ccttctctcc
420c

421

<210> 2512<211> 422<212> DNA<213> Homo sapien

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60ttctctctcc actcctctt ttggtgtgaa tattggcttc ccaattaaga cttttttttt
120ttttttccaa gttggtttaa ccaaataaag gtttggggag aaccttgccc ttttggaaat
180tttaaaaaaa ttttttacct tttcttaaaa taagtttctg gtttttccaa gggtttaagt
240gaaaatgggg aacaaaagaa aaaatttggg gcggattttc tttttccctg gtaagggggg
300gagattttcc caaacgggag gggccccccc ctggtttgga acctggaacc acatccccgg
360gggggtgggaa agggaaattc cccaccggga agccttggtc ttggttccc agggccttgg
420gg

422

<210> 2513<211> 422<212> DNA<213> Homo sapien

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120tgggctcggc ctgctctgc ggggacttct gtatgcacc cgtgcagtgt ccccgacagg
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300tttgtatttt ccaggttgcc ttgacggcg cccgcatttc taacctgttc ttcctcttgg
360tgggaaggcaa agtccaggga gaggtgtctc ctatgcggng cgtggtggn gctgagggac
420at

422

<210> 2514<211> 422<212> DNA<213> Homo sapien

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60aaaggacatt aaggatctgg gagggcgagt tgaagaattt ctacagaaag atatcagtta
120tcttatttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctctgt
180accaagtcca gaatctgcat atactgcaga aaccacttca cctcatccca gccatgatgg
240aagttcattt aagtcaccag acacagtgtg ttttaagcaga ggaaaattat tagttgaaaa
300agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgtcatg
360gggagtaaaa atttctcata ttgatgacat tagatactac attgaacaaa agaaaaaaga
420gt

422

<210> 2515<211> 166<212> DNA<213> Homo sapien

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60aatttgcggg ggggaagcta ttttacctta tgcagggaac ttaacaaggc ctaatattaa
120cctttatttt atttttaggg agttactttt ggctgcagga cctcgg
166

166

<210> 2516<211> 415<212> DNA<213> Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt tttttttttt
60ttggggtttt ggggttgggc caataaaaaa actttttttt ttacaacaat tttaccccc
120cctttttacct ctttttttcc ccccggggtt aaaaggggga aaactcttgg gggttttccc
180ccccctttt aaaaaaggaa accccccctt tttaaaccgt gtttttttcc cccctccga
240ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaacc ctgggggaat
300tttttttttc ccgggtttta aagaccccc aaaaaaaaaa aagggttttc cccacattt
360tgtggcgggg aaaaaaacc ccccttttt tttttcccc cctcaaaagg ggccc
415

415

<210> 2517<211> 416<212> DNA<213> Homo sapien

cgttgctgtc gaagaatagg agagaataga ttatgtctt ttaaacctga gagagggttg
60ctctccttaa atagtatat agagccttaa atgcattttt gttgtgttg ttgatcatt
120acagaaatag ccagaggtta ttgtattcct cttaacaaat tgaaggatta gctctgtaga
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240tatatgagag gcagtttaag gtgcttcac aactgtggat ggaatcctca aagtcagtc
300tctgattggc tgccaggggc ctaaaccagg tgaatatttt aatcaactat acaggagtca
360accatcccaa gaggtaaaga attgcataga tcttttagtt taagggaaaa aaatn

416

<210> 2518<211> 413<212> DNA<213> Homo sapien

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60ttgtagtctt ggaattcatg acagaggcaa atgactcctg cttaacttat gaagaaagtt
120aaaaacatgaa tcttgggagt ctacattttc ttatcaccag gagctggact gccatctcct
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300caaaacccca tctctactaa aaataaaaaa attattagct gggcatgggt gtgtgtgcct
360gtaatcccag ctactcanga ggatgaggca ggagacctgc ttgaacctgg agg

413

<210> 2519<211> 416<212> DNA<213> Homo sapien

ggcacgagat tttatcagc tatgtcattt ctgcgtctcg ttgtatactc ctggaaggctc
60ttagagaaat cctgccaaga aaatatcccc tggatgaatcc tcggggcact agtccacgcc
120gcactgtcag caagtatctg ctgaaacaag tatttttgaa tcttttagctt ttctgtagct
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240cttgacagtc ttccaagcct tttaacattc ttattccact aaataagctg tcggcgtca
300ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc
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416

<210> 2520<211> 413<212> DNA<213> Homo sapien

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60tgcggcaaga ggattgcttg agcccaggag ttcgagtcca acctgggcaa aagagtgaga
120ccccatctct aaaacaaaa aggtacctta gaaggcacc tgggtggcta accttttaaa
180ggcagggggc tgacacgtag gacacattgg gaatgtcttg gctactacat gtagccttct
240gggatatatg tgcccagagg gagaagcact gagcctgaag aaactagatg agtctcagaa
300ccacagaccg gccagaaatc tctcccacca ttatatcagc gtgatacagg tctacattca
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413

<210> 2521<211> 166<212> DNA<213> Homo sapien

atataccctg tctcacttct cagaggtagc agtcactaat actgggggtga gtgattttac
60tcaaaggaaa tcacactatt aagcagcttg gttttgacat gttatgttgg ggctatcttt
120tcatgtcaat acatagatta atcttttatt tcaaatgtct acataa

166

<210> 2522<211> 413<212> DNA<213> Homo sapien

cttttggttac ctaaaataat agtaggatct tgttttggtt tatcaccagc acacagattg
60ctataaactg ttactttgtg aattacattt ttatagaaga tattttcagt gtctttacct
120gagggtatgt ctttagctat gttttagggc catacattta ctctatcaaa tgatcttttc
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240ccagcctggc ctgggcattg taaacagctt ttccttttct tcttactggt ttctctacag
300gcctttatat ttcatactat ctctgcctta taagtggntt agtgctcagt tggctctagt
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413

<210> 2523<211> 416<212> DNA<213> Homo sapien

ctgggggtgaa tgcacgtcag tggaggcaga atcattctgt ctgaatgaat ggagtttcca
60ggccccact ggccctctgt gtgagggtct gcagggttg gcaggacagg tctttctctc
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416

<210> 2524<211> 414<212> DNA<213> Homo sapien

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120ctatgattgc accactgcac tccaggcaac agagtgaagc cctgtcttaa aaaaagaagg
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240tgatggtgg tattccctca ccaagatgtg acatgtaagc acgccgctgg gaggagaggg
300tgcgacccgc gtggaatttc cacaaccacc ctccgtcgtg aggccacacc caatgcagag
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414

<210> 2525<211> 413<212> DNA<213> Homo sapien

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240tgcattcag caaagccct cccaggttt gatcgattga gcaggacagc cctgctcctg
300gcaggggacc ctggttaagag ctctctctc agggaggaag taggggtggg ggctttgggg
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413

<210> 2526<211> 416<212> DNA<213> Homo sapien

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416

<210> 2527<211> 408<212> DNA<213> Homo sapien

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60ctctcttgga agtttaggat atttcacagt tctgaatggt agccactgaa aatgccagta
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240aaccttacac aaaacttcat ctctgtagg atctgatgaa aattctcttc attctcttgg
300actgaactta aatactgata ggtaagaatg ggatttaaaa aaaatgtacc aaatcagaat
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408

<210> 2528<211> 409<212> DNA<213> Homo sapien

ggcaccagat tctgtggtgt cctagaagca ttattggtag gttctaaagt tttctagact
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240aaaaaccaatt ttgctgcctg aaaaagaagg gaaaaaaaaa cccagtgct ttttttaaaa
300aaaaaccttt tgggaaggat ttttgggttt tccttaacat gaacccctt gaaacgtttg
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409

<210> 2529<211> 408<212> DNA<213> Homo sapien

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120gaggcacctt tattgctgag gaaatggaag agttgaatag gatttaggga tgaggatact
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240tcaaggatta ctccagtttc ctctagagc ctctgggtgc aggtaggggc agtcatgtg
300ctattggagt gtgacagaag agagaatgtg aggtttagtt gtggcacaga ggagaacctg
360tgagtgag ttgtgtctac ccgtctaggc ttcaggaggc cgaagact

408

<210> 2530<211> 165<212> DNA<213> Homo sapien

ctcccttggc gatctgcagg aacactagta atgactggaa ttactccgtg atctttgatg
60actattacac ataacagcac tctagcactt tttcttactg gcatggactt cctcatggac
120tgctacttca tggatgatag ctctattgct ttgggtaggg attta

165

<210> 2531<211> 409<212> DNA<213> Homo sapien

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60gtaagtcttg tgtcaaagca ggaatctgat cagagggttca gaattggaag tacaatttca
120ttgtctttgc aatttctaca aattaatttt aaagtgtcag aaaaagggtga cggcaaggac
180atgcattgca atttgcaggg ggaattgtca agtgaggact tcatcacata tgacacgaga
240gaaaagtaag agctggttct aaaatcaaaa gctgttgttc atcctgaatt gaattttctg
300aatttgggtg gagcagagtc gctttgaagc cttgggtccga tctaattcta ttgtattggt
360gatgataagt gttgacattg ggtagtgtaa agcaacaagc atgtcttgt

409

<210> 2532<211> 409<212> DNA<213> Homo sapien

ggcagcagggt ttctcaagga ccttgaggac cccagaagcc cttgcagcag gaaaggctgt
60aagggggggt cagcctaggg caggacctag ggaggggaac tttcttgata catatttgcc
120ttttcatccc atctagcaag cacagtgtta attttagaaa ttatagaaga aaaaatcagc
180aaggagtgtg ggaaaactgc atgccccagg cctccccccg cccagggtga attggaagcc
240ctggaatggg ccgaggcaca ccaggcagct gatctgggtg catgtgggccc acagaccact
300ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccacg
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409

<210> 2533<211> 412<212> DNA<213> Homo sapien

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120gagagagaga gagagagaga gagagagaga gagagcgcgc ccccccccc tctatacacc
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300ctttgcgcg cccccccat atctctctc ccccccccc cctctcttt tctgtgtgtg
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412

<210> 2534<211> 411<212> DNA<213> Homo sapien

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120ttctctgtta gggcctgcaa acctgcccta ccaaacctga aagagggtcg gctcatctcg
180gaacccgctg cgtgccaac caggcacgag gaggtggcag gcatcccgac ccccggtggg
240cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc
300agtgtgggg aggagagcaa agcaggggaa ggtctcgga gcgcgaggt gtggccgaga
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411

<210> 2535<211> 406<212> DNA<213> Homo sapien

ggcagcagcc tacaagttt gtatagcaag cctctttctc cccttggtgtg gtgcctcctg
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180aaagatatgt atatttctg taaacagcta agtctgttta gatcctagga catggcattt
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406

<210> 2536<211> 404<212> DNA<213> Homo sapien

cgttgtgtgc ggaagaattc gccgcgcgc gagannnnnn tttttttttt tttttttttt
60ttgggggttt tttttaacca aaagggcctt cccccgtttt tttttaaac gggtttggg
120gtttaccccc agcccccttt ttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaa
180cccttttctt tttttttttt ttttaaaaa aaaaaagggg gggggggaaa aaaaaaaaa
240aagggggggg ccccccccc ccccccttt ttttagggg gggcttttgt tttttaaaa
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404

<210> 2537<211> 403<212> DNA<213> Homo sapien

ggcagcaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt
60ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc gataaaagt
120tcgagaccaa gaaaattaat gcaaaacttc atgatggagt atgtcagcgc tgtaaaaga

180ttcttgagtg gcgtgtaaaa tacagcaaat acaaaccatt atcaaacct aaaaagtgtg
240ttaaatgttt acaaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct
300gtgaacttga agtttgcgca aatgtggaa agaaagaaga cattgttatt ccgttgaata
360aàgaaacaga aaaaatagaa catactgaaa ataactaag ttn

403

<210> 2538<211> 403<212> DNA<213> Homo sapien

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120attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaatc
180tcggccctta aaacctttat ggtgtgtttt aagttcaagc ggaagtggga aaagtccttt
240gttgggttgg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaaat
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403

<210> 2539<211> 406<212> DNA<213> Homo sapien

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120cggggccccc agaaaaacc gagaaaattt ttgtgttaa aaacacaga ttttggcccc
180ccccagggt ttttgggggt ttggccaaaa cctcccttc tttgggggg cccttcccc
240ccccgggggt tttaccccc aaaaaaaat tgggggggg gagggaaact tccctttttt
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406

<210> 2540<211> 405<212> DNA<213> Homo sapien

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120aagattgcac cactgcactc cagcctgggc gacagagtga gactccatct tggggggaaa
180aaagtatata tatatacaca cacacagaca cacacacaca cacatatatc tctaaatgtg
240tgtatagaac cttttatcag tataacattg atttataatt aatgtgggt gaggaagaat
300gtgtggagtg tttcagaaat ttgtatccta aaagcctttt cagaaactca aagctttcag
360aaattaatag ttatattaat agccttctaa acagcattaa gtttt

405

<210> 2541<211> 403<212> DNA<213> Homo sapien

ggcacgagct atctttattt tgggcacact atagcttttg ttaattattt ctttgcactt
60gttagaatct gttttgaaa aaaaaaaa aaaccttttg ctttgattcg gggggactcc
120cccttcttaa aaaaccaatt ttaaaggata ttaggtgga ctttcaaacc caatatcttg
180aaaggcgatt tttaaaaaat tttagctcct gcctcccaa ttaggttaac ttggaccaga
240aaataggcgg agagccccc aatagagggt aacttaccta ttaaacgtg atctttcgac
300tttaaaaaaa aatgaaggcc cgtcaaagc ttccttagag ggcgcttatg aacaaaaaaa
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403

<210> 2542<211> 407<212> DNA<213> Homo sapien

ggcacgagat gtgatgatag taactctgaa gcttatgtct gtagcttttg cagtgttcac
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120acccttgcca gttggaagga cttttcccaa gggccaaagg ggagtggag tccaaccggc
180cttgggttaat aaccattact tttccccag ggaaggacca aacggattct tttttctct
240cctcaagcct cccaaacaaa aggtaaacca gcctgggcct attttaagtt ggacctggcc
300aaaccaagga tttttttaat aaaaaattta aaaggtccac cattagaacc cggataattt
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407

<210> 2543<211> 406<212> DNA<213> Homo sapien

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120gtaacctggc ggaggtgggt gagcgtgtgc tcacctcct gcccgccaag gcgttgctgc
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240tttcattagt ctggaagagt gtcgtggcca taagagagca aggaaaagaa ctagtatgga

300aacagcactt gcccttgaga agctattccc caaacaatgc caagtccttg ggattgtgac
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406

<210> 2544<211> 403<212> DNA<213> Homo sapien

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120ctgggcagct tctgtttccc tctgtgcct gggagctgag gcacccgtgc cagtggcaga
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403

<210> 2545<211> 403<212> DNA<213> Homo sapien

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60gcaggcagga gcggcagggg ggtgctctc caggagccca cctgccttga gttctgtccc
120cactgggccc ctcccctgc tgggcaatcc tgggaaggtc tggaggttcc tgtggacctc
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403

<210> 2546<211> 404<212> DNA<213> Homo sapien

ggcacgaggg caagaggact cagactgtgg aacttccgtg cccccaccc tcaccaaggt
60taaatgcctc cctctcggtt catcctgaga aagatgagtt aatccttttt ggaggtgaat
120atttcaacgg ccaaaaaact tttttgtata acgagctcta tgtctacaat accgaaaagg
180acacctggac caaagttgac ataccacgac caccctcgag gcgctgtgct caccacgcgg
240gggtagtggc tcaagggtggc ggacagctgt ggggtctttg aggggagttt gcctctccca
300acggagagca gatctaccac tacaaggatc tctgggtcct gcatttggcc accaagacct
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404

<210> 2547<211> 402<212> DNA<213> Homo sapien

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60gtgcaattgt gatgaaagtc agtgggaacc agtctgtggg aacaatggaa taacttacct
120gtcaccttgt ctgacaggat gcaaatcctc aagtgggtatt aaaaagcata cagtgtttta
180taactgtagt tgtgtggaag taactggctc ccagaacaga aattactcag cgcacttgtg
240tgaatgcccc agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt
300cataaactct ttgttctctg caacaggagg taccacattt atcttgttga ctgtgaagat
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402

<210> 2548<211> 399<212> DNA<213> Homo sapien

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120tcagtctcct gccggaagaa atgggttgag cccgaaagga ggctgtctga ggaagggaga
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399

<210> 2549<211> 398<212> DNA<213> Homo sapien

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60caccttggcc tcccaaagtg ctgggattac aggtgtgagc caccgcacct ggccagaccg
120cttcacttgt aaaagaaatt aggctaataa gaagggtgag tttttgagaa atgaaattta
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240tactactggc cctacctcat attctatgag aatgagtttg tagctgtttc aaatcatgaa
300gtgcatagta tcacatgtga tagaatattt ataacttttt attagatgct taatgttcaa
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398

<210> 2550<211> 401<212> DNA<213> Homo sapien

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60gagatttaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata
120ggaaaacatg attcttttacc tttttttttt tttttttaag ggaaggggct aattttgtca
180cccaggctgg agggcagggg catgatctaa gtcacatgaa agggcccttt cctaggctaa
240aaggggccctt ccacctaagc ctcttgaaaa gtaagggata aatggaaaag ttttttttta
300ttggatcttc ttattgggac acgggggacc ctgaaaaaaa ttttcgggac gggctggggg
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401

<210> 2551<211> 395<212> DNA<213> Homo sapien

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120tcacgtccct tgggcctgtg aggtgaggaa gggctccctga gccctgtggg gatagagact
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240tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt
300ggcccccatc tttcagagtg ggatgatctt tctaacaaag aaaccacac aggaatttgg
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395

<210> 2552<211> 396<212> DNA<213> Homo sapien

gagtgataga acataccaac gttaccaaga aatttacaag ctgctggctt taagcttatg
60caagtggtag ttgggaaagt aggaggtgtg gaagagggtt tgcatttttg attaatcat
120gcaaaatgaa ggaggaagcc tggcttaaga agatactgtc tttcaataga aatgatttct
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240aaaaaaatgt ctggcttctt ctactatttg ttttactac caaactgtgt tactaaattt
300cttgtcatcc ttgtatgtaa aatgggtgct gggggtggag ggggtataaga ggaggagag
360tcatagagag tgtgtatggc tttgatggca ctggtt

396

<210> 2553<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aggtacaga tgccctgag caagtcgagg agattctgga tcacagtgg
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120cagcagggtta ataagtgcct tcaactggct ctagacaagg aaagaaagtc tcaaggagct
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240attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct
300tanaacattt ttaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt
360gaaagataag cacatagtta ttgctgaata taatgttg

398

<210> 2554<211> 395<212> DNA<213> Homo sapien

ctcaagttt ttgagttgt gcttgtaac acccagcttt taactgagt tttgtcctg
60atgggttagg agattttcat gttgtatcac actgtcaagt tttattttgt ctttttatcc
120ctccgtggat gtgagtttga aacaagcacg gtacagtaat cctgcctgat agagtagtct
180ggaatgagaa ttactttttg ggtgagagag ttctccattt taatgtttct aaagttttct
240atatgaactt ggcattggaa aagggaggta aagaaaaagg acgtttacta aaagcagtgt
300ctactcttcc cctttgtgag gttttattca tggctaata aaaaagagaa ggactcttgg
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395

<210> 2555<211> 398<212> DNA<213> Homo sapien

ggcacgagcc aaccccgga cccctgggtg gtacgggtca ggcagacaca tgtggctggg
60cggctgggct ggggagggga cagccgccac ctacgggtta ttttccctc tcccctccc
120tccccgcaa gagctctgcc agggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaa
180aggaaccaac cccctctac atattatgga aagaaaatat tttggccgat cctaattctt
240ttataattat gcggggaaaa agtaaaccca ttaacgatt ccagttggaa acaaaaaaaa
300aaccttttaa aactataggg ggccggttcc cgtaaaccca aactggataa aaaccttggg
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398

<210> 2556<211> 398<212> DNA<213> Homo sapien

ggcagcagcc accatgcccc gccaatccat gaaatcttaa tggctcaact aaacaaacat
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120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgctc tcaacacaca
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398

<210> 2557<211> 401<212> DNA<213> Homo sapien

cggtgctgctc gggattatc ttttaagttg tcagcaagtt accaaggtat tcattaaaga
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120cttttaaaactc taccattcat tatgtggtaa ctgtattgaa ctactttat ttggatttta
180ttttaatgtg actagatgct accacttcaa aaaatcaatt tgttcttaga acctggttga
240aaataaccagg aaactgttac agactccatt tcaaaaaaaa aaaaaaaa aaaaaacccc
300ttggagcctg ggggggggctc caaaaaaac cccattttg ctgaaagggg ttttttaaaa
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401

<210> 2558<211> 400<212> DNA<213> Homo sapien

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300tgccctcttt gtccgtccgc cggccaagga gggctggagc aacgccttct atgatagctg
360cgtgaacagt gtgtccgacc cctccatctt tgtgatcttt

400

<210> 2559<211> 400<212> DNA<213> Homo sapien

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360aatcctttta aagtatgtaa ttcagtaggg tttaatatag

400

<210> 2560<211> 396<212> DNA<213> Homo sapien

cgctgctgctc gatggcgccc tcctggctgc tcttggttac cctgcgcccc ttagcacaga
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120ccaccgcccc tgggaagccc ttttgaaag cctatacggc tcagacatcc gagagcatga
180ccccaactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctgg
240accactatga ttttctgac aaagctcatg agctaaagga tgatgaacat caaagaagag
300tcatacagtg tttgcagaaa ttacacgagg accttaagg atacaatata gaggcagaag
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396

<210> 2561<211> 397<212> DNA<213> Homo sapien

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120gatcccaagc tcagtcacca caaagttcag ggccggtcgg aggcaggggc aggtccgggt
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240acccaggggt cctgccttag gcctccaact tcagggggct gggtaagggg cgcgcctca
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397

<210> 2562<211> 401<212> DNA<213> Homo sapien

ggcagcaggg acctcagtg aaacacgcc ctcatattat cctgctccgg tggccatcac
60gagcttgtgg cactgctgct acagcaggg gcctccatta acgcttctaa caataagggc

120aacacagcgc tgcacgaggc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg
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240gaacagaatt caaaaataat ggaattgctt caggtggtag caagctgtgt tgcttcatta
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360aactcaaac tgtatgatct accagatgag ccttttaciaa g

401

<210> 2563<211> 391<212> DNA<213> Homo sapien

ggcacgaggt taatacaagt aaaatactta agacagtaca tggcacatag taaatactgt
60ttaaatatta actgcaatta ttattattat catcattatt gcagtctgag atatctggcc
120tgaattttatc aagttaggaa gctctgtcat tgcacagaaa taccttgttc tcaggagagt
180cactaaccga agtgcttctg taaacaaggg acataagcag agaaggggta tgtaagtaca
240gaaaactcat gattacctgg ggaatagtta aatagatttt aggtattagn tggttttttt
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391

<210> 2564<211> 394<212> DNA<213> Homo sapien

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60agattctcct gcctccgctt cccaagtagc tgggattaca ggcagcgcc accacgcctg
120gctaattttg tatttttagt agagatgggg tttctccatg ttggtcaggc tgggtctcaa
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360gntcctatct ccttcaatc tattcttcat attg

394

<210> 2565<211> 393<212> DNA<213> Homo sapien

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120actaaaaata cacaattatc caggtgtagt ggcgcatgcc tataatccca gctacttagg
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240tgccattgca ctccagcctg ggcaacaaga gcgaaactcc atctcaaaaa caaacaaca
300aaaaaattgc aaaatgtagt caccctgtta tgtttcatga ctctgaaagt gttatgtgtt
360tttttaacag taaacagtca cttcaatagt ttn

393

<210> 2566<211> 394<212> DNA<213> Homo sapien

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120cattttttat taattttggt ggtcattaca atgagttgaa tttaaaaagt gggtaaatgc
180tttataatat tgtattttga acaacaccac tcttattcat tttaaaaatg cccactgtga
240cagaaatatt acaatttcat gtttagttaa gcnaaataag caaaactggg agaatttaag
300gtggcatctt atttactgct ttccagtagg attataatta aaaatttact gaatgaagtg
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394

<210> 2567<211> 391<212> DNA<213> Homo sapien

ctgaggtcac ctcttgaggt gagggctctg agtgaagccc agcccgccag ggtcatctgg
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120gtcactgggtg tggctttttc tttcatgcag cgagtctgac agtgacctaa agcctgtggg
180ggcggaatt cagcatctcc agaagctgtc ccaagagcta gatgaagcca ttatggcgga
240agagagtggg gacatcgtct ctctcattca tgactgagga agtgacctga ggaaacaagc
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360gaaaaaaacc ccgggagtcg tcagtacccc t

391

<210> 2568<211> 392<212> DNA<213> Homo sapien

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60cggtctgggt ggggagggga cagccgccac ctcagggtta tatttccctc tcccctccc
120tccccgcca gagctctgcc aggggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaaa
180aagaaccaac ccacctctac atattatgga aagaaatat tttggccgat ccttattctt

240ttataattat gcgggggaaaa agtagaccca ttaaactgatt ccagtgggaa acaaaaaaaaa
300aacctcttaa acctataggg agccgtttta cgtaaaccga aactggataa aatccttggg
360ggagttgggc caacccccac ctaaaaggcg gg

392

<210> 2569<211> 393<212> DNA<213> Homo sapien

ctcgggagggc tgaggcgcca gaatcacttg aatcatagag gtggaggttg cagtgaactg
60agatcgccc actgcactcc agcctgggca acagagcaag attctgtctc aaaaaaaaaa
120aaaaacaaaac aaccccccaa aaaaacccaa ttaacattct ttcaccccg atttcctaga
180ctttattttta gctataacaa gcaaaacacc tctttccatc cttctaaaag cgtgttcctg
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300agccaaacaa gttgcaagca aaataaaaaga acaaaccttg aacgacaaag ttttcccca
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393

<210> 2570<211> 393<212> DNA<213> Homo sapien

ggcacgagtc tagatcacat ttatatatg ctgcatgcc aaaaaaaaaa aaaaaaac
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120acaagggtttt cctggaaacc ttttcaagaa aaagtaaacc aggttggttt ttgaaccttt
180ggccattttt tttttttaa aaaagcaaaa ttccagcccc aatccttttg aagggtttg
240aaacccccaa acccccgagg aagccctcca ttttggaagg gggaatttg agaaaaacct
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393

<210> 2571<211> 391<212> DNA<213> Homo sapien

ggcacgagtc cagggtcagc gcacgccaca gggccagttt tggctggaga ggcctctgag
60aatttgtgac tgaagtccaa gtctgtggca tcagggtctg cagagcccag atgcgggaga
120ggtaggaatg tacctgggta tatgaggcaa ggacagggga gctggggcag gtgatgcagg
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240ggccagagac ctgggtctac agggcagaca tcaaggctga gccagtcaga cagtgtttgt
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391

<210> 2572<211> 394<212> DNA<213> Homo sapien

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60tcttgcaaaag gaggcagaga cttctctctc ctctttttt tttttgggg ccctaaaaat
120aaaccagggc cctctttttt aaatattccg ggtaccccaa gcgggccagg ggggtttggg
180gttttccctt tggggggcag gcttaataaa acaaaacct attttggcc ccccaaaaa
240ccccgcccta aaaaaattgt ttgagggggg aaaggcccaa aaaggcctgg tggtttattc
300tccatagacg ggaagaccag ccccttcccc ttgtaaaaag ggggagccaa aatttcctga
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394

<210> 2573<211> 391<212> DNA<213> Homo sapien

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120cactgggccc cctccctgc tgggcaatcc tgggaaggtc tggaggttcc tgtggacctc
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240ctctttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga
300cacctgggtg gcagagctca ggcagagggt tggatttcag ctccctcact tccggggctg
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391

<210> 2574<211> 391<212> DNA<213> Homo sapien

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120gaactttcag agaaaccagc tgagtctgtc acttctaaaa agacaggacc ctttagtgcc
180cagccctctg ttgaaaaaga gaacttgga atagaaagtc aatcgaaaac tcagaaaaaa
240gggaagatat ctcatgacaa aagggaagaa tcaagaagta aagccatagg ctgagatact
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360aatattgggt tgcctgaatt tgagaaaacc g

391

<210> 2575<211> 392<212> DNA<213> Homo sapien

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120ggaggcctct ctgcgcttca ctctgccggg ctccggcact gaggggcccg ccaagcaaga
180gaacttcac ctaggcagct gtggcacaga ccagggtgaag ggtgtgctga ctctgcaggg
240ggatgccctc agccaggcgg atgtgaacct gaagatgcc cggaacaacc agctgctgca
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392

<210> 2576<211> 391<212> DNA<213> Homo sapien

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60gatcaatacc aaaagacact tggaaatttc ttttagactt cagtacgatg attgcagatg
120acatgtctaa ttatgatgaa gaaggagcat ggctgttct tattgatgac tttgtggaat
180ttgcacgccc tcaaattgct gggacaaaaa gtacaacagt gtagcactaa aggaaccttc
240tagaatgtac atagtctgta caataaatac aacagaaaaat tgcacagtca atttctgctg
300gctggactga actgaagatc aatcctcaca attcagactg aggggtgaga caaaacttta
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391

<210> 2577<211> 392<212> DNA<213> Homo sapien

ggcacgaggg actaccgaga ttggagcatg aatctttacc acgactgcag tgcccttgga
60cccctggcct gtgggggtgcc ctacacctgc tgcacagga acacgacaga agttgtcaac
120accatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac
180gtgcggggct gcaccaacgc cgagatcatc tggttcatgg acaactacac catcatggcg
240ggcatcctcc tgggcatcct gcttccccag ttctggggg tgctgctgac gctgctgtac
300atcaccggg tggaggacat catcatggag cactctgtca ctgatgggt cctggggccc
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392

<210> 2578<211> 392<212> DNA<213> Homo sapien

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60cgcatgcatg ccaagcaccg tggccatgaa gctatgcatg ctgaaatgg cctcatcctc
120atcgcaacct tgggtggtggc ccagctgctc ctgggtgcagt ggaagcagag gcaccacgc
180tcctacaata tgggtgacct ctttcagatg tgggtgttcc cctctattt cacagtgaag
240ctgcactggg ggaggttcct agtgatctgg atctgttct ctgctgtcac agcctttgtt
300accttccgag ccaccgaaa acctctagta cagacaaccc caagggtggg ttataagtgg
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392

<210> 2579<211> 384<212> DNA<213> Homo sapien

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60taaaagataa aagaagtaga gaaattgaaa ggaaaaagag ccagagatt gttacctttt
120tatcaagcaa cagcatgcc acaactttgc ataaataaaa aataataacc tgagcctttc
180atcttgggaa tctaataaaa taaatgtgtg ctgttttccc cattagccct caccttagcc
240agcccttaca ttgtggacag aggagtgatg tcattatttg tgagctagat gactggctca
300gtagggtgccg tgtggttcct aagaagattg taggtcttgc cattgcgtct tgtgtctctt
360gtgtgtacag tggaacatc tgtg

384

<210> 2580<211> 385<212> DNA<213> Homo sapien

gttgctgtcg gggttggcct gtgggttttt aagtgggtat tgaattggta tcaggagatc
60ctgaggctgg taggggaagg tgattctttc taagttacct ctgtattttt caagttttct
120ataaaggaata cacatacacc cacatgcaca caccatagtt tttatacaaa cagcaataac
180aaaacaaaa agatgcccc tttttttagt ggataagaaa tacatttgtt ttatacttct
240atgctatatt ttgctattca aaatttagtg ggcattactt aacattgttt ctaattattt
300tgtggctgct gtatgtttta tgtgttggga gccattgta ttaggccgtt cttggattgc
360ataaagaaa tacctgagac tgggt

385

<210> 2581<211> 388<212> DNA<213> Homo sapien

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120ttcaaccatg agcaacattc cttacatctt aatggaggga aacagagctt aaacaaatga
180ctacagattt ggaagggaagc agtgctgtaa ggaacactga agtagtgtaa agagagaaaag
240cttagtgagg aaggcccttt ctttccattt ggtgtcttgt tttctactct tgctcatgaa
300atgttctgag tagcttcaaa tatgttttaa attgaattgt gtagagtcca gtacctctga
360gaggtaactg agtgcagcta ttctagggg
388

<210> 2582<211> 384<212> DNA<213> Homo sapien

ggcagcagga tacaagtgtc tccttgtcat aacccaagag caaaagcagc cttcacttac
60tgteccatga aacaaaaatt ggatcttttc taagcaacag aacttttagat ggcaaagaca
120aagctggcct ttgtccagat gaagatgata tggaaggaga ttctttcttt gatgatccca
180ttcctaagcc agagaaaact tacggtttga ggaagggaacc taggaagcaa gcaggaagtc
240tgccctcgct ctccggtgca ccccccttaa aaagtggact cagctccctg gcgggagccc
300cttcttttaa agactctgag agtaaaaggg gaaatacagt tttgaaagat ctgaaattga
360tcagtataa aattggatca cttg
384

<210> 2583<211> 156<212> DNA<213> Homo sapien

nnctctgatt tgagaaaagg gagggagggga agatagtctg aatggaaatc tgaaatacgg
60aatgttttag agaaatatgt cacttgcata tagaatgttt taattgaggt ataaaataat
120gagacaaagt gaaaaagaaa ttatattcag ataggn
156

<210> 2584<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggaagccggg gccggggctg cggggcgagt tgcggccct gggccgggag
60ctggagtcac agactcatag gtccccggcc agccccgaa gagccgcctc agccgggggg
120agttgctcgg actcaaacgt ccagtcctcg tgcgaccgag ctgggtcgga agtgagcagg
180ctgaggccac catggagcag tgtgcgtgag tggaagagaga gctggacaag gtcttcgaga
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300gccagctgag ggctgagctg gccagcgcag cctccaggg gacccctctc tcagccacc
360ctctctggt gatgtcacag tgctgccgg
389

<210> 2585<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gcttgtttca aaattgcacc tgggcatttt aaagtaaata ggatgcaa
60ccttagttgg cctcttgtgt acattaactt cagagtgaag aatgaatatg taagacagt
120atgggggatg gggagttgag caaggaaaat aatttgcata atggtgtttg ctccctggtg
180aaactgaaac ccagcctgtg tgggtggggc cttgtttcca aacgtcagcg ctgctgcccc
240cgaaggcctg caccaacgca cggtgccctc cgggccgccc acagaggccg gctctgccc
300aggagcaggg gctggggaca gcaagtgtga aaccagctga agcacctgca gctcaagcgg
360gtgcaggct cctgtctctc cccctg
386

<210> 2586<211> 385<212> DNA<213> Homo sapien

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120ctaaaagtta ttcaactaa ttgaaatatt atcgcaaaaa gtttacttga gaaaacaagt
180tgaaattgaa attttgactt gctaaaatta cattttttta acggtagttt tgaatgacat
240tctaaaggta atttagttgg actttgtgtt tatatggcca atttggggaa tggccctgta
300tgttttttgt aatgccataa tgggagctgc agtgttgtgc aggtatcaaa aagcttccca
360gttttcatgt tagtaaactt ggaag
385

<210> 2587<211> 387<212> DNA<213> Homo sapien

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120tgagcggcat ctgccagcag aactttgact ggcgggtctg tgggtttcat ggcacttct
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387

<210> 2588<211> 384<212> DNA<213> Homo sapien

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60gaggagagt agaaggccat gcaggagcgg gtgcagaggc tggaggcggc gcggctgtcc
120ctggaggagg agctgagccg agtgaagca gcggcactca gcgagcgtgg ccaggctgag
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240ctggaggaca agctgagact gctggcgag gcacgggacg aggcgcaggg cgcttgccca
300cagcagaagc aggtggtggc cgaggccag acccggtca gccagctggg cctgcaagtt
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384

<210> 2589<211> 389<212> DNA<213> Homo sapien

ggcagcaggg caagtggatg agatgagatg ataacaatgg ataatgcaga agaatatgtg
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120gatgggttta ataaagtttt tccaatggag aaattaagtt ccttcagcca tgaagaagtc
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389

<210> 2590<211> 379<212> DNA<213> Homo sapien

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120ttgtttggatt aaacacattt caaaatggaa agacaaatat tttatttact gacctaaaac
180aacactacct atgaatttca tgcactattg ctttcagatt acttacagga ttatatcaat
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaaata
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379

<210> 2591<211> 379<212> DNA<213> Homo sapien

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60tgggtttacag actgatttag aaaaccagaa cggatttcat ttctaattga gggggccaga
120gatgggaaaa tttcttggc agtcggggga aacacacctt ggtgctgggt atgggcttat
180gaagggaagc aagcagcgtt gctcactggc cccactttg tttcttgggt aattcacagg
240ggaattccca gtactgtcat ggagcagagc aggcagtggg tgctgatgtg tgtgcatgag
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379

<210> 2592<211> 380<212> DNA<213> Homo sapien

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120cccttctttg tcttcttgcg gtttctttta ttccctcagc ctgcggggcg gggcggggt
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300gaaagcatga ctgcattctg agcccttggg gggagtggg aagagggagt ggaaggacag
360tggctgaggg gcttctgtt

380

<210> 2593<211> 381<212> DNA<213> Homo sapien

cgctgctgac ggttttaag agatgagctg agaaagaaat gtggaatgga gtatatttga
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120gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcacgctc
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa
240gaaaaaaaa agtaacctat atttctattg ccaggcata atccttgta aaattttggg
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381

<210> 2594<211> 380<212> DNA<213> Homo sapien
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120atattcctccg cattctgaaa acattcagta ttttcaagat ccaaggactc agataccctt
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380

<210> 2595<211> 382<212> DNA<213> Homo sapien
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120atggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag
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240atttggtctg ctgtggtgct ttgcaaactt ttggttgtga tttatcctgt cattcataaa
300ttatggcaca tatgctggag ccaaactctg cattaaataa attctcacat aattccctac
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382

<210> 2596<211> 379<212> DNA<213> Homo sapien
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180gactggatgc tgcctatcgt tccatgaacg ggaaaggccc cgtttactta cttttcagt
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca
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379

<210> 2597<211> 375<212> DNA<213> Homo sapien
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120taagataaat tcttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcac
180attccccctta cacacatttt ggcacctctg ccttcttctt gcctctcatt ttctgttctt
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360tggttcatgc tttag

375

<210> 2598<211> 378<212> DNA<213> Homo sapien
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60cacatactaa cttttcagca tctggattcc ttatatatct tttctctcad catgaacagt
120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcagg
180tcttaatctc aactataaaa tgaagtaca aacattgagt gcctcatagg gccagtgtta
240agattaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc
300gtacgatga tgtccctgag atcagagatg tgccttagat atctttttga ttcagtacca
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378

<210> 2599<211> 374<212> DNA<213> Homo sapien
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120tttaactttt tatttttaaa atttgaaaat taatgattaa aaatgttact tttataaaag
180tgtaatatatt cagtatttaa aagataattt taaaaataac cacaatacaa ttttctacc
240taaaaaattt taatgagttt cttagcaaat atccaagcca tttttgtatt tctctgatag
300ttttataaat ctgtatgat gtgtttagtg acttttttga attaagattg aaataagatt
360cataaaatca ctat

374

<210> 2600<211> 375<212> DNA<213> Homo sapien

ggcacgaggg gagggcccca ggagggctctc aggcagcttt gctgggagtg tccacatcac
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120agccaggtcc ccctcccccac ccaccgcag gagactggcc gtccctgccg gctcgcagct
180ttgtgacaac tggcttcggc cggagccccc tggccaggaa gcccagtgcc agagctggaa
240ggaggaggag aagaaacccc accttcaggg caaacaggag agacccttgt ccccgccaa
300tgtccctgct ctgcctggcg agacgngac ctcccagtc aggctgcacc ccgactacct
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375

<210> 2601<211> 377<212> DNA<213> Homo sapien

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120tcttccatgt caagtcccta ttcctacgga atgacttggg aaacatgagg tgagtccact
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240tcagaatcac acatgtatga cagaatgcc caaagtaact catgtgatg gctgcactgg
300ataaaacaag gctgtgccag aatgccttca ttgtgaggaa gggagctcca agtcacggcc
360actaggttgt cttcacc

377

<210> 2602<211> 372<212> DNA<213> Homo sapien

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60gccatcttca tgggcctgcg ggccctcaag atgttcgggc agcggcgcaa cgcgcaggcg
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcgga gctgctcagc
180gccctggccc tgcgcgcgca ggacgagcac accaaggagg cgtgctggc tcacagcttc
240ctggcccgcc ggccaggggg cactcaaggc tcgcccgaag agacctccag gtggctccgg
300tcggaggtgg agaactggct cctagccaag tcaggctgtg aggtgacctt caacggaact
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372

<210> 2603<211> 371<212> DNA<213> Homo sapien

ttcaattccg tegtgtctac attttctatc ctttatagga ggccgagctg cagggggggg
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120aatcttgcag ggctggggac gtaagacagt cccatggaac aaataagatg gaaacagctg
180caacatatat ttttccctt tagagatcca accttattcc attcataata aactgagaag
240ttctatatca aatataactg cctgtaacat ttttaattgc ttcaatctga gtttaacacc
300cacctttcct ttcattctct agcaaataat cttaaagctg tatctaacat gcagtcagaa
360aaattacaat n

371

<210> 2604<211> 353<212> DNA<213> Homo sapien

tatctgctgc gagaagacga cagaagggtg ggtgttacga gattgggaga cttttctcag
60catatctaac agaagagggg atccgaggtg agagtgtgag gcctgggcaa ggggtggag
120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcagggt tattttgtt
180aatctatcca gtaatcctt catgtaacaa ttatgatgtg tgtgttttag gtggggctac
240taaggctagt aagtgtgag gctggattta aacttaagtc tccagcttcg tggcccagggt
300tctttatact tgactccaca ctgggcttat taagtgaatg acaaggagtt tgg

353

<210> 2605<211> 342<212> DNA<213> Homo sapien

actacggctg cgacaagacg acagacgggc tagctaacgg tcgctccacc catagaaacc
60aaagtttttt tggcgggtaca gggaaattat aggatgttac tgtgcccccc acccccatta
120ttagctgcgc tatccgcagt gacatgacca tgtgtccttt cttgatgggc taagtaccag
180cagatcgat catcagtgct aactcaagac aatatctgaa ggctgggggt gctgcttttg
240ttcacatttt ttttttttaa ataggaaaaa aacttggaag cttgcagaaa tcttctgtg
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342

<210> 2606<211> 335<212> DNA<213> Homo sapien

tacggctgct agaagacgac agtagggctc atgaggaaga ggaggaaaag agcattaccg
60ctgtttgtca catgaggatt catltgcaga tagtatgaaa atggaggcaa tttttccagt
120ctcaagaatg gtaaaaggca cagggtgggac ttgaaccag actcttggt tcaagtccag
180agttttctca tgcaccagct acccctcaac aggatgtgac tatcctgcag taaccctaga

240ggaagtttag tccttgggac gcttggcctg ccagtctctg aaaaaaatat gatgggggatg
300gtgggtggtg tagtgacagt tgggttgagg ggaca

335

<210> 2607<211> 331<212> DNA<213> Homo sapien

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60cttgagaaaa gttaaacaat gccatataaa tcaaaatatt gatgacatta attaatagca
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa
180atttgtttag tggtaaatag aattctgaac ctaatatatc atcttattat tttctgctca
240atgtgtaaca ctagtctgac tattttatc ttttttttt ttttttttt tggaaaaaag
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331

<210> 2608<211> 457<212> DNA<213> Homo sapien

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120gtggcagatg cctggagagc cctcaagaat cccagcattg gggaaagcag cattgaaggc
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaagggt
240ccttacagcg aaacggccag ctttgacgac ctctcagggg gcacgctgag tggcggcatt
300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa
360attttcccca aagacacagc cagtcttggt gcaattagt acaacgcaag cactcgtgct
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457

<210> 2609<211> 429<212> DNA<213> Homo sapien

ctggacattc aggaggcaag ccaatctttt ttatttcctt ataaaattaa ctcttcaaaa
60gccgttaaac agagagttat ctttaatttt attgcagtag gaggaaatat atttaaaata
120tttgtagatt tatagcaaat agagactcgt tttttaaag ttaataaaca atttgttctt
180ttgttgtttt tgccagttta gggcagaagc tgcttttgtc ataaatatct tcctaccaca
240tcaaaaatgc tgcttttaaa atttttgttt ataaattgag aagggaatttt ctctctataa
300gattgctgca ttgaacagat caccattaaa aagaatatta gaatccagca tgaagataat
360ggcctaataa aatgaggtag atactctata acaccattaa tcagatttga atgaggaatg
420cttcccacc

429

<210> 2610<211> 425<212> DNA<213> Homo sapien

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60gcgagaagac gacagaaggg ctgtaatccc agctacttgg gaggtgagg caagagaatc
120acttgaaccc gggaggcggg ggttgacgtg agccaagaca gcaccactgc actccagctt
180gggtaacaga gcgagactct ctcaaaaaaa gagcaacaac aacaacaaaa aaaaccatag
240ccatattggct tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga
300caagagcagg cttgcggttg tggaaagtgc aaatgtaagt gttcgatttt ggatatactt
360aatttgaaac gtcattatac aaccaagtgg agatcttgca tgtacactgg agatacatgg
420caaaa

425

<210> 2611<211> 420<212> DNA<213> Homo sapien

caggtagggg ggccaccttg agtgggtggc ccagagactg cctcagggtt ccaaggtaac
60ggggtgctca ggttatcttg ggtgctgccc tcccagggtt tgggggagca aaggctgggc
120gctggcccaa cttacaggaa acactcacct ttgaactgcc attggcacca tctgggcagt
180acacagcccc acccagggcc tctagttctt gttctcggct tacaatcttt gtgtttctgc
240ctgagaagcc actgcctcct agtttggtgt ctctacagat atagccagggt tggacttccg
300gctccgtcct ttgataactg cgtgctcttg ggcaaatctt ttaacttgca ggttcttctg
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420

<210> 2612<211> 419<212> DNA<213> Homo sapien

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60tacacagcaa gtccagggtg ttgctgggaa ttcaactcaa ggctgttggg ctctgaagct
120tttgggtttt gtttttttct ctccactaca cagtactgca tgccatgtga gcaagatccc
180gacacagaaat gaagtaacca gtatctttaa ggcaacaag cagatcagta gaatctgatg
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca

300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
360cctaaattgt aaagttaactg ggcctccctg ctgggtanaa ttcttttga atttctgag
419

<210> 2613<211> 420<212> DNA<213> Homo sapien

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60ggagagagtg tatagtcattg ggttctgcct ctgtgccctt gctggccgct tctcctctgc
120cttcttttctt ggaactcagg gtgtggggac tgagcctgta ggggacagca tgccgtcttg
180ctgtggccac tccaagtgt gccctcttcc ctctttacac atcagggtgc tctggcacag
240gacttggcac taagctccat gctgagacac caggctatgt gggcccccac cttgtttccc
300agcctgcacc ttagaagccg aagggtgcttt catcagaacc ctaaaatggg cgttgaaggc
360gcctgggccc cagcccagnc agtattggag aggcaagcag agggcagtgg gtctcccaa
420

<210> 2614<211> 414<212> DNA<213> Homo sapien

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60aaagtgcagt cattaacaat taaatcaaat agctctggta gtactggtgg aggggatatg
120cagccttctgt tacgtggttt acctaatggg cctactcatg cttttagtgc tctctcagaa
180tctccagatt ctacagttga ccggcagaag tcatcactgt caaataatgc cctgaaaagc
240tcaaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt
300gatagcttct ataacttgc atttacagaa caaattcagc agcattcatt gccacgcagt
360agaagtcgac agtcaattgt tccccatct tccacaacac agtccttagg acag
414

<210> 2615<211> 414<212> DNA<213> Homo sapien

gacaacttga gaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg
60acaccgtgtg tctccaccac acatagtgtg ctttgggaagc acaacgtcca ggctggtacc
120gcagcgccat gcccttcct cgctcattc ataggacact tcaactgccat ttctattca
180cataaaagaa aaataaatgt ggaaatttca tcttgggaaa aaaaaaaaaa aaaaaaaaaa
240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaan nnnnnnnnt tcgggggggg
300cttttttttta aagcaccagc aggaaaaata gcttgggggg ggtgtgcccc acccccaaaa
360agaggggggg gaaaaaattt ttttttttg gaaaa&gggg gccccctctt ttct
414

<210> 2616<211> 402<212> DNA<213> Homo sapien

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120ttcttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggtggtggt
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240aagtcagat aggagtggag aagctgtaca tgaacataa tggacttaca ttcttagtca
300gatactaata ttctgtagaa gatatttcta aaatcttctc tttaaaatat gaaataattt
360ttaattgggg tggcaactta cattcaatta aaataactca tn
402

<210> 2617<211> 409<212> DNA<213> Homo sapien

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60tattttcttt ttttttact gaagctcttt gaatttaaag tttctctca tttaaattta
120ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat
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240gaagcagtgc atgactcttg ctcttcagcc tcttgagagt ggccctggtt tatattcctg
300atgatacaaa ccctggaatt tctgtctga agtgtaaca ctttatttcc aggtcctaatt
360ttgatttgaa tagtggaagt tcagattcaa tgcattaatg acagattcn
409

<210> 2618<211> 406<212> DNA<213> Homo sapien

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60tggtattagt ggtattctct tacggctcta ctaaactttg ctgtaacagt aatgctttgg
120ttgctttaac taatcctatc attaaaaatg aaaatgattt tgctttttta tttgcgcaag
180tagcactaaa gatagaagct taattaatga aagctaattg caataagggg tagatagagt
240agtatatgtg ggggtgggag ggtatgggag tntnanntnn ntntnncnact gatgttctgt
300gttatttgaa tgttgaacta aatttaatat agctacttaa tatagagcgt ttctgagaca
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406

<210> 2619<211> 402<212> DNA<213> Homo sapien

ggcagcaggt ctgaaacagc actcaagcta tctttccttt tctcattctg ttttaatttaa
60aaaggcaata gtaatagagc atttcaaate actttgttgt ggatttataa ggatgtttct
120tcgttgggac aagtcattcc tcctgtggag gaacactacc tcatttttgc attaagaaaa
180tagtataaag tttctggtga aagattagac aattattctc attcatggat ctacaaggcc
240atcatgtcaa aacattttatg aaaatgttcc gttcctccct tttccaaagg ccagaagttt
300accctgtat gtggcaggag atatgagttt atccttgttt ttattatttg ataaatggat
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402

<210> 2620<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gctcctcaaa aaatgatata gttcccaaag agaggtgtca gtgtcttgaa
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240acatatagtg tgacacattc tacagtgggg gaatccaggg ttctcaggca gattgtagga
300gagccacttc atctagatca cttattttca gtgttcaac tgtgttttca atgaagatgt
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412

<210> 2621<211> 403<212> DNA<213> Homo sapien

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120atttcaattg caactcaaac aatgaatctt ccaaagatgg ttaccctcac tctacaaaag
180tgctaagtta atattcttta aaataaatac aagcatttct tggactagat accatcaact
240ttaattttat ttttctcaca taaatgttaa ccaaaaacta aatgataatt tcttctgtc
300acacagcaat tccaactgtg tggaacaaag tgttatctca agttccacag agcaattggt
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403

<210> 2622<211> 404<212> DNA<213> Homo sapien

gattccatct actttaagtt taaaggattt tcagaatcac cttaagtgtc aaatttgta
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240acgcatttgt gtaaaatgac aggtgtttgg tattaccagg aactcataat gacattttta
300taattattgt ctaaaattca taatcgaagc gatttttagag tagttaactt gagatttcac
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404

<210> 2623<211> 408<212> DNA<213> Homo sapien

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240ttgaaaaaag aaaaaaaat ttcaaggcat tgaattctgg gtagccaaga aaaatggatg
300gatgcctaaa cccacatctc cctacataac cttccaacaa aatatagaac agcaaaaatca
360aatatatcta ctgttgactc ttgaacaatg tgggagttag ggatgctg

408

<210> 2624<211> 409<212> DNA<213> Homo sapien

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120tcctagctgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact
180tcagccactg aaataattta aattataaat attacatgtg ggtttgacta tcacagaaaa
240taaaatgatt atagatccta aaaacataaa ttcttgaact ttgcaaccat taattcatag
300gtactactaa tactcttact acagatttta taagtacttc cacttataga cagaagagca
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409

<210> 2625<211> 416<212> DNA<213> Homo sapien

tgagtgcaca cagtgttgg aaatggcagc ttgcttgggt ggaaagtgc ttaaaagtgg
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120gcttgtgtcc tcctggactt gaattaagta gaaagtact acaactcagc aacaaaaaga
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300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tcccagctat
360tcaggaggct gaggcaggaa aattgcttga accccaggag gcagaggttg caggga

416

<210> 2626<211> 414<212> DNA<213> Homo sapien

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60tacacagcaa gtccagggtg tggtgggaa ttcaactcaa ggctgttggg ctctgaagct
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240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca
300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
360cctaatttgt aaagtactg ggccctccctg ctgggtaaat tcttttggat ttct

414

<210> 2627<211> 418<212> DNA<213> Homo sapien

ggcacgaggg ttccagcaca gtgcggttgt gtcgttggtc ttttttagta tttcctattt
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120aatttcagaat tgtttaaaac attgtgcttg ccaaaaacaaa aaacatgttt gccagccagt
180agtttttagc ctctgcttcc agagtgttaa ggacaggcct aaacatcctg gccaaagcttt
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300cttttagatg tatcttcttc ctcatctcta aataatcctc agggattact tttcctcact
360cagtaatttt cccctgcag gcagctattg ctccagctt cacatatatg gcttgan

418

<210> 2628<211> 407<212> DNA<213> Homo sapien

gttcaggcag gtgcttagca attttacaat ttccacaagc ttctgttcag ctcaccattt
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240gagagaactc tggctgaatg tcaggtactg tgtttttgtt tctacaccaa caaactgtg
300actaacccaa ttaaagcaac agccatgaat aatattggcc ctgaccttgc tgaattcaaa
360aacaagggtta attgtacctt accataaatt ctacctgagg gttttta

407

<210> 2629<211> 405<212> DNA<213> Homo sapien

ctcttagtat aactttttaa tggcatctac ataaccagc tgctcaaatt tgaaccttg
60aaggctgtct ttttccatca acttgtgtga atactgactc cttccctgtt ccccttcac
120ttgggtttac tttcttgttt ttattatatg ctgatctgtc tccctgttta ggctgtaac
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240agctcctggc accattctct ttgtgattaa catccagtaa acatttgta aatatgtctc
300ttaaaatatg tatcttttta actatttata cacctccaag tggatgacat gccacatttt
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405

<210> 2630<211> 403<212> DNA<213> Homo sapien

gcttctcttt tgttgatccc ggcatnctt atctcttget gttegaantgg ctctgcctct
60tttgtttcag gttgtgaccg tgtatgaggn gggtctgatg taagatgaag gtgtggattt
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240aaacaatgat aaggttgcgt agtcattagg aatcacagaa ttcctacgga agaaagaaat
300acaccagac aaccttggac ccaagcacct cagccgagac atggatgggg agcagctaga
360gggagctagc agcgagaaga gggaaactga ggctgcggag gat

403

<210> 2631<211> 411<212> DNA<213> Homo sapien

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120gaaaagcttc atttgaaaac agtctttttc cttcacccac actaatagaa aaaggagagt
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240ccggtgtgat ccgtgtgttg gtgcctgagc tggaggaagg agcttcttgc agggaaacag
300ccactggggc cacattgagg gccagttggg accttctttt ccagtcacac tctgtgtcct
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411

<210> 2632<211> 413<212> DNA<213> Homo sapien

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120agtgcgtgga gctgtgctg gccctgggcg agcctgcgga ggagctgtgc gaggagtcc
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240ggccaatgtg gccagctcca tctgagcca cattaaggcc tctctggcag cagtgcacct
300tttaccgc aaagaggtgt cttctccaa caagccctac ttccgggtg agttctgcag
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413

<210> 2633<211> 402<212> DNA<213> Homo sapien

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120ggtgtgcaca gactcagagg caagaaagt gtatgatgag ggtggggggg tgtgcggata
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240gaggcaaaag atgcccagcc agatggaatt ggtgtgtga attgccagga ctggaaagag
300cccaaatggg ggctgcagca tgggccttgg ttgaagctc taatcctgta agggctgctt
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402

<210> 2634<211> 418<212> DNA<213> Homo sapien

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120aaacgtaggg agcaggttgg aagtgaagga actttccaaa gagatgatgc tctgtcatct
180gttctattctg aaattactga tagcaacaaa ggtcggaga tgttgagaa gatgggttgg
240aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag
300cttcggcgaa cacatgcagg cttggggaca ggcaaacat cctcatttga agatgttcac
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418

<210> 2635<211> 409<212> DNA<213> Homo sapien

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60gggggcttgg cgcgcttggg gcaaaggccc taggagacc cttctggcca caaatcgag
120tatgacagaa aaggggccagc gggggcgctt tcttccagg gccacttgcc ggaatgtaag
180agggacggag agacgtccgg aaaaggctgc cacgctcgga gcgctgcgcc agggcaggca
240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttc cctctccc
300ggcttccacc caggcgcttc cccgctgtga acgcccgc ccagggtgaag gggaaacgg
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409

<210> 2636<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gggcaatctc catggctttt tggctgaggg tggagccaag gacatccgag
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120gggcagccct gctgtgggccc ctggcggtg cactggagcg ccggaagtct accctggcct
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240caagacgact tcgggcgttg ggggccccgg tgcaggccca aggccacacc ctgcaggtag
300ccgggctgag aggccctgtg ctgcgcctgc gggagccgct ggtgtgtgtg gctgtgtgtg
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403

<210> 2637<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggaagactag catectttt gctccctggt tggntgtgaa atacacacac
60gcacacacac acacacacac acgctcgcac tctctgaga ctccgaacag agaaaaaat
120tatttgcaaa tcaacacatt tttctttctc gtcttgagaa aatgtcttga ggtccctgaa
180gggccaatc catcgtggac taactctgtg ggtagagctc agatgacctt gggagaatta

240aaccacttaa tcttggagtg ggaggagagg ggggtgggtg ggagagaata taagatgtat
300cttngctaa gtggaatcta tttataaagc gagagactct catctatctt tatgagagga
360gagggttttt aatctagggg aggcagccg
389

<210> 2638<211> 396<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggggc tcatgcctgt aatcccagca ctttgggagg
60tggaaaacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc
120taccaaaaaa tacaaaaatt acccaggtgt cgggtgggtg tgcctgtaat cccagctagc
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240ccaagatcat actgctgcac tccagtctgg tgacagagaa cgattttctt tggaaatata
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396

<210> 2639<211> 393<212> DNA<213> Homo sapien
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60aatcatgtgt cccttgagtc tgtcacgtga cctttgcttt cctctgaaaa tccctttact
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180ttttccctta ggtttatgat tttttaaag tattatcctt ttttggcatt taggaaggca
240tctatttttg ttttaatggg tactttgatg taatactttt ttttctgct cttgagcatt
300gactcccgct gtgagtata aatcagacat ttacctttt tccccctcc tctctttatt
360ttccatcata taacttgaaa gattatcctt ttt
393

<210> 2640<211> 393<212> DNA<213> Homo sapien
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60agattgtagg agaattgggg aggtgtggga gatttttatg tggaatgaca tctgtcagga
120aaagagaata aaaatttctt aaaagactgt catattaagc cctttacct tttccttgtg
180ccacctcatt acatagatag atcatcattg tatcagaaaa atgttaattt atattattaa
240tgatcacttt gtaagtatgt ttttcaacc atcctaaaca cattttcaga aatgttttct
300tttaaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt
360aatgaggaga acctcattcc ctattaatgt taa
393

<210> 2641<211> 384<212> DNA<213> Homo sapien
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120atatttttgt cttttgaatt cattaaacct taaaattatt ggagtctga tttagtgtt
180cagaactatt ttggtatttg tgtatcttgt tttggacagg gttagcatgt atttgacacc
240ctttagccct ttaagggata ttttgtctgt gaagattttt tttctttttt ttttttttt
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384

<210> 2642<211> 392<212> DNA<213> Homo sapien
cttaaaaaaa tatatagaaa gaaagaaaat gcttttcaat tttgggcca gccattttta
60cttaaaggta atatccatat attcctatta gactcaccct tccctatag ctaaaattaa
120attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc
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392

<210> 2643<211> 391<212> DNA<213> Homo sapien
ggcacgagt ataatatagt aagccaaaat tggtcagtgt aggataagca agatggaata
60agtgaagt tagtaatttt ctcacttttc attatgacaa gtcactactt actatataag
120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct
180agaatagact ataaaccttt ggaactatca gaataaaaa acacaataaa gaaaacaaat
240accatattgg aaaataattg tgtgtatttg tgtctttaat ttgtttgtga gtgtctttaa
300tttatgtgtg tataacatta taaaggaaaa atataactaa acataatccg tatgattaaa

360tattttctcct atatccagaa atgtaaattt a

391

<210> 2644<211> 389<212> DNA<213> Homo sapien

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60gagagtatgt aattagtaat gctaaaaaaa tgcactttat taccctatgg acttttccaa
120atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttctctcg
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240cttacttcag ccactgaaat aatttaaatt ataaatatta catgtgggtt tgactatcac
300agaaaaataa atgattatag atcctaaaaa cataaattcc tgaactttgc aaccattaat
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389

<210> 2645<211> 387<212> DNA<213> Homo sapien

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120gcagtgcagc gagatcgcca tatatatata ttcatatata tgtatatata cacacatata
180tattcatata tgratatata cacacatata ttcatatata tttatatata cctatattca
240tatgttttca taatatacga atatacctat atgttcatat atgtatatat aatattcata
300tatgcatata tgtatatata atattcatat atgcatatat gcatatatac ctatatatgc
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387

<210> 2646<211> 386<212> DNA<213> Homo sapien

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60ataaaaaaga atgccaaagc atgggtaaaa atacatgaca taactatgta aacaagtaga
120agaacttagg gttcttctaa gtagggtcag agccaagatg agctagcaaa aaacctgtt
180actttttttt ttttgaagg gagtttgggt tggccacca agctggaggg caggggaggg
240atctcggtta attgaaacct ccacctctgg ggttaaagca attttggggc ctaacctcc
300caggaagctg gaataacggg ggcattgccac caccctgggt taattttggt ttttttagca
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386

<210> 2647<211> 396<212> DNA<213> Homo sapien

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60gtagtaacat gtttcattac agtatcaaat atataggtta aatttgggtga catgaaaaca
120cttctgtggtc gtatgtctat caaacattca tgaaaaattt gaagactatc aatttgggtac
180ctacaaaaga tgatgcggta gccatggaaa tgcacacccc agatctcttc ctgtgagaag
240cagagttgac agaaccctag ctgctacccc atgggatcta cactgtatt cctgctgttc
300ccagccaatg agtgagaatg gcaggactat taacactgac ccagtccctc gatgggcaac
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396

<210> 2648<211> 387<212> DNA<213> Homo sapien

gacttgctgt tettaacctt ccaaagcagg catgtagacg cacatgtggt ttacacacgt
60cattggaggga aggttggaat taccagcttg gttgcaagga aagaggcaat tgagaggact
120ccttctcaca ctgcagtaat ttgctgagtg accttgaaca aggatcttaa tgcacaaag
180ctgttttct caaccccaaa atgaaggat tggaccagat gccctcaagg ttcctcaagg
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300cctcaccagg acattctgtt ttctgaacat tgggcctctg tggtttgtca catacaccac
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387

<210> 2649<211> 398<212> DNA<213> Homo sapien

cctcaccaca gctgctgct gcttctgacg gatcttgggt ctcaggctgc ctggctctcc
60gagtggaggc gcagcctcca tatttgggtg actcaggcat ggctgggaca agccagctgc
120cccagggttc ttcctctggt gattctcgcc tgctttctca tctcaggga ggcagtggca
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240ctgccccac ctgaaaccc acagtcacca gtggagggcc actactatc cccattgggt
300tcccaggga ggggtgtgt ctggaaggcc aggttcagat gcagccttc agatttagag
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398

<210> 2650<211> 387<212> DNA<213> Homo sapien

cggttgctgtc ggtttgatga tggatgatgat gatgatggca gtcataaact gaggagttag
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120gaatagggag gagggggaag gtgagaacgt aggtagaaag agctgttggg caactgtagc
180aataaaacag aaaagagatg aatgtttgca cataggcagg ggcagcagga atgcagaagg
240gcaggtgtca gagagcgtcc acgtggtagg acccacagga ccaggtggct gaatgcagag
300gctgaggctg agcaggggcg ccagtatggc tcctgtgttc tgatggcgtg tagtggcgtg
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387

<210> 2651<211> 400<212> DNA<213> Homo sapien

ggcacgagca tacttttact taaataatta ttataaagac ctcaaaggaa atgtatcagg
60tgctgtaaga taatttaaca ggtggttttg cttagtttga ggggaaaaac tttaggggca
120tgaggaatta gaaagagcta gtgaaaagaa agttagcag ccaaagagtt aggtgaagaa
180acaaatctgt ggtacattaa gaaaccaaga aggaggaatt tccagagcat atttgggtc
240atgaaagtca aatgctgcca agatggaaag gaagatggga gttgagactg gtttctaca
300tatggtgatg aaaactgttc tagaaaagtt tcaagttaat aggaccaaac acagcttaca
360ggtgattaaa aaatgagaag gtggtgaaat cctaagtact
400

<210> 2652<211> 389<212> DNA<213> Homo sapien

ggcacgagcg ccctcactgc cctgctcaac caaagccgcg gagagcgcg agggccccc
60agtacggcc acgagcact ggagaaggag gtccaggctc ttcgggcca gctggaggcg
120tgccgtctcc aaggggaggc tcctcagagt gcaactgagat ccagaggga tggccacatc
180ccccgggct acatctcaca gctggtgggc gtgatcactg tgccgtttt acagacaagg
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389

<210> 2653<211> 397<212> DNA<213> Homo sapien

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180tccgagagct ggtcgtgccc ctgcagcgac gaggaggtg agctgcctgc ggtgggca
240ccctggatgc cccgcctc cgaatccag cggctctatg aactgctggc tgcccaggt
300actctggagc tgcaagccga gatcctgccc cgtcgccctc ccacgccga gggccagagc
360gaagaggaga gatccgatga ggagccggag gccaaag
397

<210> 2654<211> 398<212> DNA<213> Homo sapien

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398

<210> 2655<211> 386<212> DNA<213> Homo sapien

cggttgctgtc gctccctccc aggtctgggc tgcgcagtac ctccccctgc cttagagcac
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120caattcctgt tgataacaac taaacaacct cattaccgga gaggacttct gtttactttt
180tgcccttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga
240catcgactgg tataattttg ttaagagca cccttgagcc tccataggaa acaacattcc
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386

<210> 2656<211> 399<212> DNA<213> Homo sapien

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60tgggatctcc cccgtggccc gccccacac cgggcttctg ggaggtgggc tccagggctg
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180ctccagtcca cactcccag gagctcacct gctcccaggt cgaactccat ggcggtaga
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399

<210> 2657<211> 395<212> DNA<213> Homo sapien

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120tagttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgtccat
180ttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata
240attctgccat tctctttttg acatttaaag gaagagccta ggctggatgt cttgatcaat
300aacgcaggga tcttcagtg ccttacatg aagactgaag atgggtttga gatgcagttc
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395

<210> 2658<211> 388<212> DNA<213> Homo sapien

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120tggcgagccc atttggcgc atcgggccat aactgcatca ttggtccaa tgggagcctg
180ggacctgtcg tgctggcga agatgggtgtg tgtatccggc ggtgcacgat gctgcgggat
240gccgagatg cgctccatt actggcttga gtcctgcatt gtgggtggc gctgccgct
300gagtcaaaga gtactcatgg agaacgtgac agagctgagt gaggacgtca taattaatga
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388

<210> 2659<211> 378<212> DNA<213> Homo sapien

ggcaccagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt
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120ggggcccccc ctttttttaa aaaaggggtt ttttaagggg ggattttttt cccaaaaaaa
180aggtgggtttt ttttttcccc ggggggggtg gggccccccc ccaaaaaaaa aaatccccgg
240gggaaacccc ccccccccc cccggggggg gggccccccc tttttttggg aaaaaacacc
300cccccccccc cctttttcct gggggggggg ggaatcctcc tcggagaggg gggggggggg
360ggcaacaaaa aaacaaaa

378

<210> 2660<211> 382<212> DNA<213> Homo sapien

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120gttgctttct ttaatccaat ggataaaaaa agtaaaaccc tgtaaacatt attttatttt
180tttatgcaat accatgctgt aaatatggt catcaaataa ggatgtacct atgattgaat
240ctttaattct gcacagttag agtttatata taaacgtgtc ttgacaatca aggactttta
300tgtgagctct cttttatgat gtttattaat gttatgcatt ccatttggtt tgaagtgagt
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382

<210> 2661<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggaacttta aaaattatgt ctgtagttaa ataactaaat gtaagaaagc
60ctttaatata gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaaat
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg
180agctttttttg ttcaatgcac ttttggaatt tttctttgga aattactaca tgatgctttg
240gacagctttt aaatattttg tatatatcca gtcccttaga ttttaaatat ttctgtttct
300tcaccttttc ctctgttaca tgggtttcca tgtaacctct tcacatctt ggttgtctt
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373

<210> 2662<211> 373<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaaggcct tattttgaaa tcagaataat ggaaattatt
60acaattaaaa agtcactaga aaaacagacc tattgtacaa agattccagt cttaccttc
120caagctctgc ttactgattt ttctcttatg tctctattct tcccccttc ctttgccctt

180cctttctccc ttctgctctt tgaccccaaa ctcatctttt cttcttagtt tattaataa
240aaaccaaact atattactat caatatattt ttactatatg cagttcatat agtctcgtga
300ttggccaaag tctaattggt cccaataggt cctcaatctt taaggcccag tccaaacctt
360ccacaatgaa ggg

373

<210> 2663<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa cctcgtctct actaaaaata caaaaaaact
60agctgggctg ggtggcatgt gcctgtaatc ccagctattt gggaggctga ggcagagaat
120ttcttaaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc
180tgggggacag agcaagactc catctcaaaa caaaacaaaa caaaagatgg catagaatcc
240ttcttggaac cttgtgcaga gggagagta aaaagacctc caccggccc actctgtcca
300ccatctttgc tccaaaagtc cctaccctgg aagtaccggc accagaagcc gtatcctcag
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378

<210> 2664<211> 378<212> DNA<213> Homo sapien

cggtgctgtc gattcagga tcaatttga acttgctgga ttatgggtgat ggtttttgga
60tagtatgtgc ttcattattt tatttgggt agttacagt ttgtagtttt ttgtaacag
120ctacactttt ggtactattt tccttttaaa tttttggtgt ctaagattta ccactaatta
180ctaataatag cctttccaat tcacttaaaa ccttaataag tgaaatgttc aggtattgct
240agggtaaatg tgtcttttcc tactattgag attttaaaag gctgtgatta agagagactt
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca
360taatacctta gaaatgtg

378

<210> 2665<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaatacgac agaaggatg agagtggaga tgacatgtga tcccatgcct
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120acgatagtga tgagagttat gatgactctg attagacccc agataaattg ttgcctgctt
180ctgtgtctct gccagcctgc gatcattttg tgttagagtt tgaaatccgc tgtttgcctt
240tcttactggt aggatccttt tttgccctc ttttttttt ttttttttt tttaaaagag
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373

<210> 2666<211> 376<212> DNA<213> Homo sapien

ggcagcaggg ctggtttgtc tggggagaca gacaggatgt tgtggagctg ggggtgaacc
60tgggtatggag ggattaaact agtcatggca ttctccgacc aaaaccacac ctgtgtctct
120ggcaggctgg ctggccttgc tcccatccct agaactgctg cctctccctg gatattccag
180ctcaattagt gccacatatg ggggaaacga cacatcccag tgggatttcc aacactcccc
240ctccccatgc aacaaagcaa ctacttctg gagttctctc ccaaggagag gacacagaca
300cagttgtttg ctgtgttata tgttagctcc gaacaatggg tctcaattgg cttagcatca
360aaacacctaa ggagtg

376

<210> 2667<211> 382<212> DNA<213> Homo sapien

cggtgctgtc gggcagctca gggaggtca ggagatgggg tgttcccagt catgcccag
60gcattctctc cteectgggc cccacctgcc tcgccctgtg gcctgagtc cttcagctgt
120gtgggcttcc ctgagtgtcc tgagtgggt ggcataaggg gtgagaggcc atggtgtctt
180tggggctggt ggtccgggtc tggccatctg tcacctctca ggcgtgcagg cactaatccc
240tccaagcctc agttggccac agtgagaagg ggcctggtaa cactgtcctg gatgccagg
300tgttgtgaag gtcccggctt agcctctggc aggaaggagg tgctcaggag gtgggcacag
360gcagagggt ggctgtgggg gg

382

<210> 2668<211> 371<212> DNA<213> Homo sapien

tgaattccg ttgctgtcgc atttcacggg tttctgtgc agttatggga gcatgacagg
60ggaggctcca aaatggaggt tgagctgggt cttatagaat aaataagttt gctgggacca
120gagacatggg tgtgcacaga ctgagaggca agaaagttgt atgatgaggg tgggggggtg
180tgcggataga ggttgaagcc caaaagccct gaaagttcag tgttgaggct cagggtgggg
240accctagaga ggcaaaagat gccagccag atggaattgg tgggtgtgaat tgccaggact

300ggaaagagcc cagatggggg ctgcagcatg ggccttggtt gaagcctcta atcctgtaag
360ggctgctttg n

371

<210> 2669<211> 378<212> DNA<213> Homo sapien

ggcacgaggc ggatcagggg gattcagaag cgcttcagag aacaggagcg cagccgggag
60cagggccagc ccaggccccct gaaagctctg tggcgctcac ccaagtacga caaggtggag
120tcccgggtca aggccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac
180ttcctgctggg cgcactcccc ctgcggccct ggccctccac caccatgt atctagttcc
240cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt
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378

<210> 2670<211> 373<212> DNA<213> Homo sapien

ggcacgaggc ggatcagggg gattcagaag cgcttcagag aacaggagcg cagccgggag
60cagggccagc ccaggccccct gaaagctctg tggcgctcac ccaagtacga caaggtggag
120tcccgggtca aggccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac
180ttcctgctggg cgcactcccc ctgcggccct ggccctccac caccatgt atctagttcc
240cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt
300cacaatgcac gagctgcca gagagcccc cggaggcatt cctgctcact gcaggtcctg
360gcacaagtgc tan

373

<210> 2671<211> 376<212> DNA<213> Homo sapien

ttcgaattcc gttgctgtcg ggcttatctg atgtatctcc ggggtcanga agcgggtggag
60tccatggtga agagtgtgga aagagagaac atccggaaga tgcagggtct catgttccgg
120tgacgagccca gctgttgtga ggacagccag gcctccatga agcaggtgca ccagtgcac
180gagcgctgcc atgtgcctct ggctcaagcc caggcttttg tcaccagtga gctggagaag
240ttccaggacc gcctggcccgt gtgcaccatg cattgcaacg acaaagccaa agattcaata
300gatgctggga gtaaggagct tcagggtgaag cagcagctgg acagttgtgt gaccaaggtg
360gtggatgacc acatgg

376

<210> 2672<211> 370<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggggg gcacagccct gatgatggag gggctgctca
60gtgcttgcta tcatgtgtgc cccaactata ccaatttcca gtttgacaca tegtcatgt
120acatgatcgc cggactctgc atgtgaagc tctaccagaa gcggcaccgc gacatcaacg
180ccagcgccta cagtgcctac gcctgcctgg ccattgtcat cttcttctct gtgctgggag
240tggtcttttg caaagggaa acggcgttct ggatcgtctt ctccatcatt cacatcatcg
300ccaccctgct cctcagcacg cagctctatt acatgggccc gtggaaactg gactcgggga
360ctctccgcgcg

370

<210> 2673<211> 355<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggttt ggatcatttt tttctgaaag tgggcaatta
60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttctttgaaa
120tagttgatac tcttcttgca aattttgttg acagtgtctc taggttccaa aaagaagggt
180aacgccacta cagcaccttt gccatctgac cagcagcaat tctaagatgt cattgattct
240aagatgcac tcaattccca agatgttaaa atgaacaaaa tacatcactt aggatcataa
300acacatttta gttggaatag acacatttga agaccagatt tgaacaatga tctctg

355

<210> 2674<211> 361<212> DNA<213> Homo sapien

gcctacggct gctagaagac gacagaaggg attttaaaga aaagcatata acataaaata
60aaaaagaaga ttcaatacgt aacctatagga gatacaaaaca ttcaaagagc aggttaagga
120aagaagcctg agaaggaccg ttacagagaga cagataaaa gaaaaccagc aagagaaggt
180taaatctgac gtcacaagag gaatgcactt tagaaaatag gagggctcaa tattaccta
240cagagagacc aaataagact aaattgcaca aagttcttga ggaagtgaag actcagatta
300tagactatat ttttgagaat attgggtatg aaaaagggtg acttgcgacac tcaccagttt

360t

361

<210> 2675<211> 356<212> DNA<213> Homo sapien

tatccgctgc gagaagacga cagaagggtta cagtttacac tttttctta aaatcatgaa
60agcgggttcc tatcttaagc atatatgtg actactatta acagactgat ttgtgtagat
120attaaatgct ttaagctatt ttaccttttc aagaagttgt gttttttttt ctccaagtca
180taaccaattc ctgcaaagag gtttcccatg acttgtgatt ataaagtaga caaccaggga
240attgcgcgag acacattttt atttaattct tttttttacg gaatgccctt gagccggaat
300agattaaaag cggttccttt cctttttcac atttaaaaca ggatggtttc tgggtt
356

<210> 2676<211> 366<212> DNA<213> Homo sapien

cggtgctgct gaaataatag agctaaataa tgtcctgtca ctccattat aagaaatctg
60gattcatatc taagtgtata tgtataatac tgtacagtta agagttcaga acaagtggga
120atgttttctc ttaatttaac tcattttgtg ctttctttac tcattcaaac acacatacat
180tttacatata gtttatttct ttatgaaatg ctaatcttca gcccgtagca aaaagtagag
240tggagcctct ttgcactact actatcaata aattttaaat cagttggatt tttaagcatt
300ttttaaaagc tgacattaaa gtaaattctaa aaaaagtta aaaaactggc caagacacta
360attttt
366

<210> 2677<211> 367<212> DNA<213> Homo sapien

ggcacgagcc ccagtcctat ccagggacgc cctgagggat ggacgcagcc atgcaccccc
60catctggggc ctctccctgc tccctctccc acctggcagc tgggagttct ggcttctagg
120cctgcccgtg caccaggcct ctgagtggcc aggcccttcc acctcccat ctgtaaaacg
180aggcagctgc ccggacagcc ttggggctct tagtggccct gcaggtcctc tggcagctct
240gtgacccca cctctctccg gactgccctt ctgtcccaga ggggtcacc tgaccgggc
300caccttgcca ctgggctttg gactccagcc ctgacagggc ccagccacac tggctctgac
360cctcgaa
367

<210> 2678<211> 349<212> DNA<213> Homo sapien

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60ccttctagta gcaatcacac cccagcagc ctggaactag agtattctgc caaagcagaa
120acctgtcac tctactcacc tatataatga ttttctgtga acttaggtat gaagttgaaa
180atcctcaact tgtcatacaa ggctctttat gttgctctct ctttagtggc caccaatcta
240ccaccccat cactctccca ctcccaacc tacacatgca caccctcttc acattcaatt
300tttctcctt tctccctctc cgctcagcaa tactacatta ctttactt
349

<210> 2679<211> 337<212> DNA<213> Homo sapien

gctactgttg ttagaagacc acagaagggg tctcaggtgt gatgcatttc tagcaagacc
60aggctggaat ggagaggggg taaggacatc cttcatlcat gaggggaaca aagagtgttt
120cccatcccc catccctctc tcatcaaaaa cttgaaaata atgcataaaa taaacaatcc
180atcaatcatg gggaaatttg aatcacatgt agcataatgc agggcatatc tgtaaaagta
240tcagtagagg atactacaaa tccccaaaag cccaccatag ccagagtgat cgtcttaaac
300cactaatagg attacttctt gaccgcttc aagcttt
337

<210> 2680<211> 470<212> DNA<213> Homo sapien

gttctttttt nnaatcccat cgattcgaat tcggcacgag gtgcaacgct ggcaagtctc
60aaagtcgcca cagaaacatg cccctgattc agtgccctctg cttagctgta acatgttaat
120cagaactacc tggcatcttc ctgaacaaga ctttcaatag gggccagtat gcttcgcttc
180atccagaagt tttctcaagc atcttcaaag atactgaagt actctttccc agtgggacta
240agaaccagca gaacagatat actttctctc aagatgtctc tccagcaaaa cttttcccca
300tgtccaaggc cttggctttc etcatcattt ccagcgtata tgagcaagac acagtgcatt
360catacatccc cctgcagctt taaaaagcag cagaagcaag cacttctagc cagaccctca
420agcaccatca cttacctaac tgacagccca aagccagcat tatgtgtaat
470

<210> 2681<211> 420<212> DNA<213> Homo sapien

cgcacgagag agaaaacagg tggngagggt ctgattaaaa actatgcaca agtaggttta
60acaaaaatc tcatgaaaat gtccggaac tgaaatttaa acaactgtaa tattaaggaa
120accagaatca ataaatcact gtcttgccag cacagctaca gagtaacatg attcagggga

180ggaaaagtcc cttacagtta cttttataat tctttttttt ttttctctt aggttaaaaa
240ctctaacaaa tttaaacttt atctttttaa acttatattga acatacttta gaatattgaa
300cctctaacc caaatgttta tagataccct cttatccata aacaaaaccc tgctaagcca
360tggtctatt ttttttttgg cttatagagg cgggtaacag tttttttgca ccaatatatg
420

<210> 2682<211> 440<212> DNA<213> Homo sapien

gcaggagccc atcgagctgc ttgtttgggc cgaagcggcc tacggctgcg agaagacgac
60agaaggatcc tgaatgtgtg tgctactttc caccttcacc accaccaccc tagtccaagc
120ctccacatca ctctctgcta cgatcctcca gcctctccca tgatggcttt ttttctgtcg
180ctcagctccc agttctctgc tcttcacact aatcataaca tatcatttct acctccatgc
240ctctgtgtga tctcttcccc aagtctagat tgctcatacc cctgggtccac acacagctct
300ctctgacact cagatcctca acagtgaact tcctgaccac ccaaactaat aaagatacta
360gaaacttttc tcattctccc cccaccacct ttttttgaga cgcttttttg ggggtctact
420ctgttgccca ggctgggtgtg
440

<210> 2683<211> 427<212> DNA<213> Homo sapien

ggcacggata atcgntnttt nttaggatcc catcgcttcg aattccgttg ctgtcgctcg
60atccaaatct cgggagatac gccatcgcca caggtcccgc tccagcagcc gttagccgag
120ccgtagccac cagagaagtc ggcacagtcc tagagatagg agcagagaac gatccaagag
180gaggtattga tgtgtcaatc agaggatatg gagctacctt aatgttttag agttgtttat
240gtttacttat gttacttatg tttatagcta cagattattg gtttgaatct ttgcatacgc
300gtgctatgtt cacatttatg tgcgggtgca caacattttt ctgtgattat atgggtaact
360atgactgaat atacttatga agccgagcac gacattgtaa ccaatatgtg tagaggttat
420tgctttt
427

<210> 2684<211> 468<212> DNA<213> Homo sapien

gcaacagaga tgtaccngnt tnnncaaga tcccagcgat tegtattttc gttgctgtcg
60ggaaaactgt aagaagttta cccactctg attattccac cattgccaga gaagtttata
120gtaaaaggaa ttttgaacgc ctttaacgan gacttcattg agacacgcag gaaggcttta
180cataaatttt tgaaccgaat tgctgatcat ccaactttta catttaatga agacttcaaa
240attttttctca ctgcacaagc ttgggaacte tcttctcaca agaagcaagg tcctggcttg
300ctaagcagga tggggcaaac cgtcagagct gttgcgtcct caatgagagg agttaaaaac
360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat
420ttgatagata aaatatctca gagaatttat aaggaagaaa gggaatat
468

<210> 2685<211> 419<212> DNA<213> Homo sapien

ccttgaggtt attttccacc aaatgtgaca aaattcaatt catttgcaat tcatggatca
60aaagataaac gaagttatga agctctttat cctgtacctc agcatgaact gcagcaagga
120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaattttta cacactgctt
180ggagaagagt ggaacaacc ggaatcagac ctgtggctaa tagagaaatg tgatatatag
240gagtaataga taaccatacc gatcattttt tcctctatac cttttaagat aaacaaaaaa
300taaatatcaa ttttttaaga tgtcatgcat acatttcaac aacaaatctc ttcatagaag
360tcaactgaaaa tatagtatct gtggcaaat gtatatgatt aacaagaaaa tatatgatt
419

<210> 2686<211> 428<212> DNA<213> Homo sapien

ctcagaagag cttacggcat tggggatccc cttcttgagt cgtggggctg gcttcttcat
60ctgggttgac ttgagaaagt acctgtctca gggcaccttt gaggaggaaa tgctgctctg
120gcgcgcgttt ttggacaaca aggtgctgct gtcctttggc aaggccttcg agtgtaaaga
180gcctggttg tttcgctttg tcttctcaga ccaagtccac cggctttgcc tggggatgca
240gaggggtccag caggtgcttg caggcaaat ccaagtggca gaagaccccc gtccctctca
300tagccaggag ccaagtgacc aacgcaggtg agctggctat tgtctcgtgg ccagagggcc
360cagcagccac tgtggacctg gggcgctctg gcgctgcaca agactgactg tggatgtgcc
420atttgcca
428

<210> 2687<211> 426<212> DNA<213> Homo sapien

cgttgctgtc gggatctctg aataccatg cccctccac catggccagc cgggggtggg

60gccggggtcg tggccggggc cagttgacct tcaacgcgga ggccgtgggc attgggaaag
120gggatgcttt gccccacccc accctgcagc cttctccact cttccctccc ttggagtccc
180gccagtagc tttgccctca ggcgaggaag gggaatatgt cctggcactg aagcaagagc
240tacgaggagc catgaggcag ctccctact tcatccggcc agctgtcccc aagagagatg
300tgagcgtta ttcagacaaa tatcagatgt caggtccgat tgacaatgcc atcgattgga
360accctgattg gcggcgtcta ccccgggagc taaagatccg agtcggaag ctacagaag
420aacgga

426

<210> 2688<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggtctaacc attttggtt acacagtctg accactagca caatgcctgg
60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg caggtactga
180tgactaatc cttctttgaa gacaaaataa gcagctgtgt agcttcagt gctctcaaat
240ggataataga ttcagtgtat actcgtttg aactttcctg tttttgatc agctagataa
300atgacttttg tgggtaaatg tctgcctcca aaaccaaatt ctgacctga tctaagtatt
360ctaactgcacc gctgtcactg gaatatcaaa gttggcg

397

<210> 2689<211> 391<212> DNA<213> Homo sapien

gtttaaaact tttagacaagt ggtagtccta ctgtttacac tcacagttaa tgttcatacc
60tagttttata agctgttctg taacatagtg tagcaaaaaa aaaagttcaa gtcagtgtat
120acaggtgtgt caaaaggat cttggtcatt aagtattgtg cagtgcatta tttattatcc
180ctaggagaga tgaaatttga gaggtgatca tgtcttttta aggaaactta cataatgctc
240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg
300ggccctaatt gaaaaaagtg ctgctcaaag gaagtatgaa gttatatatt aaatttttta
360atttttaattt ttaatttttt tgctgtgaag g

391

<210> 2690<211> 416<212> DNA<213> Homo sapien

ggcaccaggt gtgtgtgtgt gtgtgtgtgt gtgtataaaa ccaaaatgtg tgacacaata
60aatgctggca cagctctgat tctttttaa aagaaaatta aaataggagt tctggttcta
120attatttagct attagctact tctgaaattc agaaagtacc ataattaggc taaagggtta
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300atattttctca atgtaaatga ataaactgaa attctaattg taaacatttt ttcataaatg
360tagttagaga cccctctgaa agacaaagca gcttttgcca tgctgaccaa attaga

416

<210> 2691<211> 412<212> DNA<213> Homo sapien

ggcacgaggg ctagagtaag atgataatat aggtgaggga ttgtaggat aagaaggaaa
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120tggtactgag ggagtctgta ggaagcttag caggaaaatg gtgtataaga acttagggag
180gagagtctcc tgaaggagg gcaagtaatt cagtatcaaa tgctacagag aggagaggca
240tgatgagacc ttacaataag cctttcattg tatttgcctt ttgggggcca gtgagaaggg
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagttggag
360ttgagctatt tagactagtt agagctttga tttaaatatt tggtagtcatt gg

412

<210> 2692<211> 368<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagg aaaggtcagt cagcctgcac ttgcaatata
60agaatcagct tgctcctagt ctagtacaa tcttctcac tgggagatct gggctgcctt
120tctgagggca cactgcaaag gccaccttct catctccctc tggcctgcct gtcagctctc
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240tgactacca cgcaaagaag ggctccgtgt cagagcgct cctagctggc tctccgtctc
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cgggtactgt
360cttttaaac

368

<210> 2693<211> 388<212> DNA<213> Homo sapien

gtgaaaagtg ctcatctgtg aactctatag caaattatat ttagaaaat actttgtgag
60gccggggcatg gtggcagagc gagactccgt ctcanaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgcac atctgaatat ccttcttgtg tctccatttt
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg
240tgaaaggagg ttaagctgat tgtcactctg cctgccact acctactccc caccatggtg
300tttcatgaaa catccccacc acctgaagtg atctttttta tcttctgtgat agtaaatgca
360ttgataatta acaggaaaaa catgtttt

388

<210> 2694<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag
120tggtgtaaagg aaatgtgaaa ttatataact aaataaatac acacaaacac acacacacac
180acacacacac acacacgcac acacacaagc acacaccata gaatactact caaccacaca
240aaggaaggaa ataatagcat ttacatttgc agcaacctgg atggagttgg agatcattat
300tctaagttaa gtaactcagg agtggaaaac cacatctcgt atgttctcac ttataagtgg
360gagctaagct ataagga

377

<210> 2695<211> 380<212> DNA<213> Homo sapien

ggcacgagag acagtctccc cctcagatgc catgctccca ctgtaccacc atgtactgct
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120actaattaat tccagctaat ggaattgact ggaattagt acattaatat ttactgagca
180ttccccatgt gtcacagag ctgtgctaaa tgctttacaa gaataattac ctgccataaa
240gcaaccttat gacataggtg ctactatgcc cattttgtag atgagacagg ttcaggggag
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380

<210> 2696<211> 399<212> DNA<213> Homo sapien

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120atctgcagtt taatctccca agtgcgtgatt tttctatgta taaagtagga gagtgcaca
180gcgtatcaca atgaggggct agggagaacg tgtatgtgac ctctagtagg tggcatgtaa
240cagacactca gtattacact cctgctatct ctccagagca ggtgaaacag acggccagga
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaaat caaaaccaca
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

<210> 2697<211> 408<212> DNA<213> Homo sapien

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120actataatgt taagttaaca taatgttgat ttctaattat gttttaaaaa atgaagtctt
180gaattatatac aagaaatttt ggcagctgaa gtcattgtta ttttgaaagct gttagttttt
240tctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt
300tttttgttgt tgtttttgtt ttttgagaca gagtctgtct ctgtcgccaa ggctggagtg
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408

<210> 2698<211> 406<212> DNA<213> Homo sapien

ggcacgaggg aagcatttac agttttaaat ttcccagtc gaataaattc ttattgaggg
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120agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca
180ggaaccagat tctggaactg attgcaccta tattatgttg tgtgtcagac actcccagga
240cctgttttgg aataattagg acagctgaca tacttgttgc taattttgag atctgggcaa
300caactgtgta ggctgttctt tcaacctctt tcttctact tctttacttt tcttcacag
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406

<210> 2699<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggctc tcaaactaat caatcaaaca aacaaacaaa
60caaacaaaaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt
120acttgggtgtg aattaagtgc ttactagga ttaccacatc attaactatt attagtaatc
180ttacagtcac tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtacat

240caaaagtgcc acagtgtctt ttggaaatta aacaaaacaa ttgtctaaat gtgcatcata
300cattcagagt aattcttatt caagcaagct ggttttatat tcatgacaag ctttttcaat
360tttaatatgt ttgt

374

<210> 2700<211> 406<212> DNA<213> Homo sapien

ggcacgaggga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt
60tttttttttt tttttttttt gggccccccc cccctttttt ttttttttaa aagtecccc
120caaaaccccc cggggggggg ggggaaaaaa aacccccct ttaaggggg ggggaaaaaa
180aaaagtttt tgggaaaaaa aaaaaattt tttattttt gggggcccc ccccccccc
240ccggggggg gggggggccc ccccccccc taaaaccccc cccccgtgg gtttttggg
300ggccccccc cgggggctta aaaaggggg ggggggggg eceaaaatt tcccaaagg
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406

<210> 2701<211> 395<212> DNA<213> Homo sapien

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120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc
180agattccatg ttttaagact ctcatgtcta tttttctggg tggggaagg gaatgaaatt
240ataactttgc aactatctc acttcttct acctaccaa atagaaagta gttcacgttc
300acaggacagt ggtctcatgg acttgtttct tttttcttc aaatgaaatc ctttaagaaa
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395

<210> 2702<211> 394<212> DNA<213> Homo sapien

tcacaatcca atatctgtg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt
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120gcactgtgat gtttttccgt ctttaatttt aaaaaacata ctgatcacaa ccacaatttg
180gaaaatgttg ctccatacca tcccatacca aactcacca cctgcaaata atagcattac
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt
300gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgtt
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394

<210> 2703<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtt atcctactta ttatttatgt ttacctcct
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120ggggtcctta agagcaggga ctttatgggt cttatggagc aagactttat ggggtccctgc
180tcttatgcag ggctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaagggtctc gtatgagtga
300agtgagatta ttatctataa agaattttgt ggaggcatgg caccaaataa gcaccacaca
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376

<210> 2704<211> 407<212> DNA<213> Homo sapien

ggcacgaggc cagtggagct aaagagctga gatatatttg taaatagagt taataggatt
60ttctgatgat gtgggtctgg ggtacggga agagggacaa tctactgcta ctgaattact
120ggtttaagta actaggtagc ctttattggg aaagactgag agggaaactgg tttgtgggga
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa
240tgtcatataa gaactggaaa caaagttcag gactcagaag acagggttaa aattaagagg
300caaattttag agttattagc atacagataa tatttcaaat ttaaaagtgt ttaataaat
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

<210> 2705<211> 389<212> DNA<213> Homo sapien

ctccagcctg ggtcaaaaa agaaaaataa attaagggcc cgttctttct caaagccttt
60gggggctcc gggggcctc agaaaacat aaaggggcct ttgaaaaact ggggcctcct
120gggaaccttt ggaaaaaaa gtaaggggtc ctttaaaggg gatcctgttt tgaaaaaatc
180gcccacttcg gggcccccc tttgaaaaag ggggcctggt gtttctctta cagggtccca
240aaccaatttt ttttcccta agttttttt tgggcctcgg catttaatat tccaccgggg
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360atccccaaaa ctttgggggg ctaaaacgg

389

<210> 2706<211> 376<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcat ttagaatggg gaatattgtt gcagccaact
60ttgaaaaata gttcttgcca cagacactct ataagaagta ggttctgtga ggatgggatc
120ttcttatgga gtgttagtca tcaatggagt ggaagaatg cagtcaaact tgacacctga
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240ggctctcacc tgtaacctta gcactttggg aggccaagg ggcagattg cctgagctca
300ggagtctgag accagcctgg gcaacacggg gaaaccccg ctctactaaa atacaaaaaa
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376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggat gtcaaatcct actttaata tgaaagtaat
60caggatcaga gaaattacat gccagaaatt cacaggattt ataggtagc caaaatagg
120cagaaatcta tacactccag accgagaata tatccgaag tcagcagttt atatgaggag
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240actaggcaga aacattagaa cagctgcttt 'caaatgtttt cagaactagg tataatgggg
300gaaagaagct caggatattt agaggtaata ctctttttt attcctattc ttatttaaga
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375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctcctacgtc tcttatttgt ccccttttgg ctttccttac taactttaat ggccacaaca
60tttaggcgaa aggggggcaa tcattggtgg tttggcattc gcagagactt ctgtcagttt
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca ttcatatga tctccatcac
180gaagatagt aagatgctga agaaacatca gttccagaag ctccgaaat tgctccaata
240tttggaaga aggccagagt agttataacc cagagccctg ggaaatacgt tccccccct
300cccaagttaa atattgatat gccagattaa actcctagag aggaccagg cacacacaga
360ctccacttg ccttcgctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

ggcagcagac gtcattggaa tgggtgtttt gttaagcat ttctggcttt ccatcatggt
60tcatactgaa agtactgtag atgctagcta acctctgcc tttttaagaa taaacctttt
120ttttaactt aagaactaaa gctgagattc tcctattctg ttgttgagg gcttcctgca
180tgcccgccca tttatcaca gcaatttgag aagttttctt ttgtgttct gacaacaagc
240atttggggag aaagccaggc ataaattagt tacgatagtt ggggtttaat gtttctccag
300tgaaaatttg gacttttctt tttcccttat agaatgcata attaaaacag actattattt
360tgaaatgaaa tattgaatat taacaaaaat aaat

395

<210> 2710<211> 383<212> DNA<213> Homo sapien

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60cctatcttca atccagagag aagtgataaa ccaaatgcaa gtgatecttc agttcctttg
120aaaatcccct tgcaaggaa tgtgatacca agtgtgaccc gagtccttca gcagaccatg
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240gaagatggct ttaaagaata cacttcaaac gtctttttac aagggaaacg gttccacgaa
300gccttgga gcatatctt accccaggaa accttaaaag agagagatga aaatctcctc
360aagctcgtgtt acattgaaag tgt

383

<210> 2711<211> 386<212> DNA<213> Homo sapien

cggtgctgtc gggccactcc tccctccgtc cactgtcac ttcgggtagc tgggaggcca
60ggtgaggggc gcgcacgggg gaggggcgtg catagttgag acagaaaccc ggaagaccca
120actgtggcgc ggcactgctt gaccgagggg ctccggagcc cagctgcacc ggctgcgggt
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240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgcact
300ggttttctca tctatgttat gaagataata attccggccc taaccgtagt atgcttgcca
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386

<210> 2712<211> 382<212> DNA<213> Homo sapien

tagggaccag cgtagtcctt accctttttt ttcattgagac aagcgaagac cacagaggag
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120actcctcttc cagggtcttc tgacatccaa ggccctttga aatctctctc cactgcgaa
180cagatttcta gacttctgat ggaggtgac tgagatgaac aggtctctaa agcagcctct
240gcgagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac
300agccaagtgt tcagcaccac ggacagcttc tctggcctat tgctggggag gccacaggtg
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382

<210> 2713<211> 409<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagc tttttttttt tttttttttg
60gggggggaaa ttttaaaatc aaaagggggg gggggggccac ccttttaatt gccggggcgg
120ggggcctctt attttattat tgctgaaag gttgcttgaa cccagggttt ccccatccc
180ttaggaggga tccccccct cctgaaagg gggggggccca cccctaaagg gggggggggg
240gggggggaaac aaaaccttgt cgttgacgac cctgtgggtt ttcacctcac ttggggaacc
300ccataaaaagg ggccgggtta acaaaccctg gttaaaggac atttaagaat ggaaaagggg
360gttgggccaaa aaaaacccaa tttttctcc tgtggcgttc accccccc

409

<210> 2714<211> 408<212> DNA<213> Homo sapien

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120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtctc
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300tttcaccgcc aaagaggtgt ccttctccaa caagccctac tttcgggggtg agatctgcag
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408

<210> 2715<211> 377<212> DNA<213> Homo sapien

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120tcattaaact gtaactctt tgcagtctca ccacagtttc tcttactagg atctagaaat
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240tgagaagggt ggatcacgtg aggccaggag ttgagagca gcctgtacaa cgtgggtgaa
300ccctgtctct actaaaaata aaaaaattgg ccagggtgtg taacacacac ctgtaatccc
360agctacctgg gggctga

377

<210> 2716<211> 388<212> DNA<213> Homo sapien

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60tgggaacaga gcagctagca ctgtggagat gagaaggggc tgagattaga ccgaggggag
120gagggagtag ctgacaggct tccacaagcg gaaggtcgag cgaaagaagg cagccattga
180ggagattaaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga
240atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg
300gttggtgaca gcaaagacgg agtcggtgca gtatgaccac cccaaccaca cagtcaccgt
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388

<210> 2717<211> 396<212> DNA<213> Homo sapien

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396

<210> 2718<211> 386<212> DNA<213> Homo sapien

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300cgccgcatag gaccgcccac atgggaacgc ccacatggga ccgcccacat gggaccgccc
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386

<210> 2719<211> 371<212> DNA<213> Homo sapien

cggctgcgag aagacgacag aaggggtcta gaagctgaat tagttgcact atccccgat
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120atgtctgagga caggtgcttc cctgcctagg ctacctctcc eggcctgtcc ctggctccct
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371

<210> 2720<211> 389<212> DNA<213> Homo sapien

tacggttgcy agaagacgac agaagggtca tgaagtcaact tacatagatg accacaggtt
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389

<210> 2721<211> 404<212> DNA<213> Homo sapien

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120tgccgtgttg agaaaagact gcaaggggga aggggtggaag cgaggagagc agtttgaggg
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404

<210> 2722<211> 384<212> DNA<213> Homo sapien

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120ggaatacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga
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240cgtgaccacc atcagtgacc tggacctctc gggggcccg ctgctcgggc tgacccacc
300tgaggggagg gctggagaca ggtctgagga ggaggcgtca tccacggaga aaccaacca
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384

<210> 2723<211> 403<212> DNA<213> Homo sapien

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120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc ctctcttgt
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403

<210> 2724<211> 397<212> DNA<213> Homo sapien

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60ggcacaggag ggattatatt cattgtatcc atttattaac tcattaatta ttactgtatc
120aatggaagat gatttgatag tgttcaccca ggaaaatccc ttttttagaa aactcagcag

180taagacctac agatcagcaa aggacctgac aaagggaacc atcgtgctga agtatgaacc
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360gctggaggta ttgggagaaa agaacaatga aggagtg
397

<210> 2725<211> 392<212> DNA<213> Homo sapien

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120cccagtcctt gccctcggac cagccggtgg ggaccttcag ccctctgacc acttcggata
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360cacatgagca gttcaaggct gcgctcacga tg
392

<210> 2726<211> 402<212> DNA<213> Homo sapien

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120ggctctgcct gatccagccc ttcctcgact tgcggcaaaag gatcatgggc atcaaagcca
180aagggatgga gcctatagag gtgctctttg aggaaaatag tgaacggact cagattcgcc
240aaagcagggt ctgtgtgac agagtaagta cttatgattg tggagaaaaa atttcaagct
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360ggaatgcaaa gaagaaacat ggaaaagatc aacttcttgg ag
402

<210> 2727<211> 411<212> DNA<213> Homo sapien

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120tacatgaagc gcaagtggga tggtagccac tatgatgcc tgagggactg cctcaaggcc
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411

<210> 2728<211> 402<212> DNA<213> Homo sapien

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300cttggccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat
360tatcttccgg gtggccctga ccttaattaa gcagaccag gg
402

<210> 2729<211> 359<212> DNA<213> Homo sapien

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120ggtgtttaaa gtagggaagg tctgagttag agattgcagc taaaagctgt ttattactaa
180agtgaaggcc agttatcagg aggatctgaa cagggaagga aaatgggctg aaatcacaag
240tttgagttga cagctgaatg tttctaggga gtcaaatatc cctaggattc acattgagtt
300aatgggaggt ggcaagttag ttgatagtag tgaggacaga gagacagtca aagaaaggt
359

<210> 2730<211> 347<212> DNA<213> Homo sapien

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120gcttaggggg tcagaatttt ctggatcttt gctaatacaa gcttttagatt taatttaacc
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240taatgtctgc ctgggtttt aacaggctgt gaaccagtga gtgccttgtt aatgtagaat
300gatttttccc ccctgggtgg gtggtagtta gctcctctct gaaaatg

347

<210> 2731<211> 342<212> DNA<213> Homo sapien
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120tttgaggggc ttgggtccaga gtgacttggt aatttactct aacttccttg tgtgttgatg
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta
240ctaatagtga gtgtgaaggc aagcttgatg caaacctcc tgacctttcc tacctgaaga
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342

<210> 2732<211> 335<212> DNA<213> Homo sapien
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120cactcatcaa gagttaggag taaggcccag tgtgggggtc cctctggtaa taccagcatt
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240atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc
300tgtaatccca gctacttggg aggctaaggg aggag

335

<210> 2733<211> 345<212> DNA<213> Homo sapien
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60cttgggaact cttctactag aatggccttc agggcttggc atgttccttt ggtttaccct
120tagagatgag aaatcctcct cttttgagga tggatttaag ttctggaaat aatctcaagt
180gcttgatagc acagctggat gaaaaaagat ggcaattaag gtaagttaca ccatttttgt
240ttctaaaaaa tcctaagaa atttcttggg atgagtcctt ggctcagag cctctcaaag
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345

<210> 2734<211> 336<212> DNA<213> Homo sapien
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60gtctgttttg tcttttatga aatgaggata ataatagcac taacctcatg gtcattggga
120ggattgagat aatgctaaaa gcaccccttag cacagggtct ggtaatttaa taaaggttta
180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtgataca
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag
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336

<210> 2735<211> 356<212> DNA<213> Homo sapien
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60aagatccttg accctgggct cttccctatg atttgccaca taacacagga cagcacccat
120agacctacac aacaaaatgt acagttttcc ccccttatcc atgggggata tgttccaaga
180ccccccagtga atgcctggaa gtgtggatag tactgaaccc tagatatgca gtgtctggat
240agaaggaaga ggataagagt aaaaggggga ataaagaatg tgggaaggcac agagtacaga
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356

<210> 2736<211> 351<212> DNA<213> Homo sapien
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60ctcatcacag ttcttgtctt cagcagccca cccaaagccc tccttactg cctgtcacca
120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg
180tcactatacc ttaataaata agcaggata catgtgtgga tttgtacatc ccaagagggtg
240ggactgatga gagacagcag caccctatc cccacaatc aatgaacaaa cctggtaaat
300actctctcca tccctgtgac ccttcagctc aaatattgtg actctctttt n

351

<210> 2737<211> 344<212> DNA<213> Homo sapien
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120ccctgaggaa tttcaccact gggtttccca taaatgagac cccctgtgac ctggtgggccc
180ccatccctcg gaagtgtacc ctggcatttc cataggactg cttccttctg ggcctcttag
240tgcaagccag cagtgcaatg ccacatccaa gtttggtaaa tcaattctaa gtgagataaa
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344

<210> 2738<211> 353<212> DNA<213> Homo sapien

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60gcctgccttg gcctcacttc tttatttttaa accatctcat ccaaccttac aaaatacttt
120caattcagtg accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa
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240tagcacagtg tggctaatag aggtgctcaa gaaacatttg ttgagtgaat tgcgtaaattg
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353

<210> 2739<211> 342<212> DNA<213> Homo sapien

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120actgctcaac cctaaagaaa tcttcaaac caagtatcca ctaaggctgg attcaacaaa
180tggttttttagg gccacagtaa atatttcagg ttggcaggc catatagtca caattactaa
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342

<210> 2740<211> 336<212> DNA<213> Homo sapien

ttatggctgc gagaagacga cagaagggat cagctttctt agttcaggcc acctgcaacc
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120aacctgtca ctctactcac ctatataatg attttctgtg aacttaggta tgaagttgaa
180aatcctcaac ttgtcataca aggtcttcta tgttgcctct gctttagtgg ccaccaatct
240accaccccat tcaactctcc actcccaacc ctacacatgc acacctctt cacattcaat
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336

<210> 2741<211> 341<212> DNA<213> Homo sapien

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180atcctatgcc gctctgcat ccgagtgtcc tgcagctgtg tccagtgtgt gacacactat
240cctggcagtg tgcaggccca tgttgacag ggcctgccc cttccttggc accttgtatg
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341

<210> 2742<211> 340<212> DNA<213> Homo sapien

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60ggtgcagtta cttgtattga caaagcttag gttgtggata tgtagatggg agatggagga
120ggaagaatca caggccaact gaatgtggag tcagaccacg gtgttcagt gatctttgt
180gtgcatgttg aaattgccac aagtatgat ggaagtatt agtgggtgtg gaaaggacag
240tgaggggata caggaattaa atcttgaagg aatgcttctg gataatgagt ttaatccaa
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340

<210> 2743<211> 420<212> DNA<213> Homo sapien

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60cttgggaaga aaacgtctat ttttttcccc ttctctgcat cacttttttg gttttgttc
120tttttattct tttattttt aaaccatga tcttttttc tgtgtccaag tgactgtgtt
180gcaggcggcc cggctctggc agggactggg ggggacgagg gagcggccc agggccctgc
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300gtgggcgtga agatcgttgc cacttccaa cctacctcac aggggtgttg tggggacacc
360atgatctctg gattgttcat gtcgtcgtgc tgcgcccga gccaccgcc tccggagact

420

<210> 2744<211> 438<212> DNA<213> Homo sapien

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120atgaatatag actcactaaa tcagtgaaga cctgtgtaga cacaaatcaa gattttgtct
180aaggatggtg aaaatacata tctgggcctg tggctgctg aaagttaaag gagagttaca
240tatttttaaat actgaataac tttgaaacc agcacgacac tacaactacc attattacta

300atagctaact ttcaccgagt acttacttga gccaacattg atctaaaccc ttacattga
360tctgagccca ttaccagc agatgcaaac aggatcagag aaagcacaag gtcattcttc
420ctccctaggt caactgaa

438

<210> 2745<211> 420<212> DNA<213> Homo sapien

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120agcttaattc tgaacttcaa agtaatat tttacttaatt ttaggaggtt ttcatttaca
180tattgaaaaa tgccttgact gtattcacat aaatggtgtt aaaacattgt accccttata
240agaactgcag caatccacag taatgttggg tacttctgag tatttgataa aggaacaaag
300tcaaaatgaa tgtatttaac aagcttcttt ctcatttcca ttgtttttat aaaaatattt
360tgggtattgtt gctgtcattt tagccattc taactttttg tattatgaat ttggagagga
420

<210> 2746<211> 424<212> DNA<213> Homo sapien

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60ccagaagacg acagaagggg cttctccagc acccagtgtc taatctcctt ggcttggat
120acgaggcctc cggactggga cctgtctgtc tctgcagcac ctggtgtcta agtgcctcct
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360tgaagtcac cctggtctca ccaatcacag gtccgatatg caaaaacaca gatataactt
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424

<210> 2747<211> 343<212> DNA<213> Homo sapien

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120acgatttttag tgacaaaac tatggataaa actgcctaag cataacatta atatatttag
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240ggctttatcc ctagaatcaa ttctctcagc atcacaaac tgaattgggtg aaatagtgtc
300aagattctgg gcaataggaa gattagtga tatgatacat tgg
343

<210> 2748<211> 337<212> DNA<213> Homo sapien

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60gaaaaataat aaatgggatt ttaattatag ctcttagttg ggaaagaaat atagagagat
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337

<210> 2749<211> 406<212> DNA<213> Homo sapien

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120ctggtccccc ggggaaaacc ttttaccaca aaggttttaa ccgtgggcaa ttaaccgaa
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240tttctttttt tccccctt ttttttaaaa aaaaccccc cccccctt aatattttt
300ttaggggccc cctttttttt cggggccttt gaaaaacggc tttttttttt cctttcccc
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406

<210> 2750<211> 371<212> DNA<213> Homo sapien

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120caaccctcaa cctgaaaga cagttaatct gttaggtgca ctgttacttc atggattagt
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371

<210> 2751<211> 340<212> DNA<213> Homo sapien

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120tgatgtgttg ggtaagagat ggtttaaaag tccagcttgc tgtttttcat taagtgtctt
180gaaaatgagt aagtggcgtt cctggagggg aacaatcata taattccgca ggggtgggtct
240aaacttgttt tctgatagtg ttagcagct catggctctg agggcacctg ataacacagc
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340

<210> 2752<211> 397<212> DNA<213> Homo sapien

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60gtggcagcag gattttaata taaactggca gactgattct aaaatttaca tagaggccag
120ccgtggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga
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397

<210> 2753<211> 350<212> DNA<213> Homo sapien

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120ccatgtttcc tctctgcttc ttgatttgc tgcagtcctt ctagtgcctt gaaactgaag
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240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta
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350

<210> 2754<211> 381<212> DNA<213> Homo sapien

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60caatagtctt ttctacaagc agaacattaa tattcttgc actctgaatg taggcacaga
120tttttgcacat cttttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg
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381

<210> 2755<211> 388<212> DNA<213> Homo sapien

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120ggaagacaat tctaaatgca taactttctc atggctctaa gttgtgctgt tcaactatgg
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300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa
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388

<210> 2756<211> 368<212> DNA<213> Homo sapien

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60ttgaacatag aagctctgta atgtagagc catgaaattg accaatctg gattgatgat
120aaagacagct gcctgaaaaa gtccctgatc taagcatgaa tgaaagataa actttatgtc
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368

<210> 2757<211> 369<212> DNA<213> Homo sapien

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300gattgtctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatggg
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369

<210> 2758<211> 405<212> DNA<213> Homo sapien

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405

<210> 2759<211> 399<212> DNA<213> Homo sapien

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120ctcaatacac tattaatac atcagacctt ttggtacctc taggcagagg accgcaatta
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399

<210> 2760<211> 375<212> DNA<213> Homo sapien

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60agtcctccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggatca
120caggcacaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
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375

<210> 2761<211> 374<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccat gattgcaccc ctgcactcca gcttggcaa
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaagggg caaaagtttg
120ggggggggcc cccaattttt taatttttta aaaagtttgg gcccgggggg gggggcaaat
180ccctgaaacc cccccctttt ggaagcccag ggggggggga cccccggggg cggggatttc
240aaacccaccc tgcaccagg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc
300gcctaagggg gctcccttg tatccccct tctccggggg gggggggagg gaaaacctt
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374

<210> 2762<211> 375<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac
60aaccttggat tgtgtggcat cagcagctc aacactgaac cagttgtcag ggaggggtgca
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180caggattatc cagatgttag ctgccacctt cagggaattg ctgttctagc ttgctttgc
240tactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat
360aatattttgt tagtt

375

<210> 2763<211> 398<212> DNA<213> Homo sapien

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt
60tcaacttcag cctctcttc tctgaagtag gatttatagg acctttgcta tcttgaatta
120cagtgatatt tacttagaat gggtaattc catttaaaac ttttttttg ctgctcaggg
180aaaagtgact tgataacaca cagagtgacc cctcatgttt gcaaattcca ggggcatgc

240ctagtgcactg cataatacga ggggctggag ccctgatccc tgcataagg catgtaacag
300cctgcacccc tagatttcag ggataactct ctgaagcctg gaaagggcca gtattccaca
360ggctgcgccc tctcatgctg tccattttga gtaacccg

398

<210> 2764<211> 376<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagggg tttttaaaatt gttacaaaaa aatcaactaa
60attgttcaca tgagaacatg tcctggcaaa aaaagaaaga gaaaataaga gaaaacaact
120aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttctgg
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcattgg aaagaaatcc
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgaattaat
300tttcataaga cactcttgtc tttgagtaag tttcttgttt gtaaacaaca caacacaatt
360tatcactatg aatgaa

376

<210> 2765<211> 383<212> DNA<213> Homo sapien

ggcagcagta tttattgaat tcttatttaa aacaaacaga aacataaggg gcaaggggca
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc
120atatacaaat ggtaaatcc aagtgtctctg ctactaacta tggggcacct taaacattgt
180tcggcaagaa gaatctcata gtgtgataac ttaatgcttt aagtttaaat atatttcata
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat
300tggcctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgc
360gcaagaggca ttctgggaag agc

383

<210> 2766<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct
60gtagcagggt aatctggact caaatcaggt tgcccatggt tcccaaatc acttcattac
120tttcccaacc acttccccct taacttgctt tccccgaac cgtagcaaat agtaatgcat
180gacaagctga taggaggga aacatgacaa gtgaggttga gttagaaagg aaaagcaggg
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt
300aatatttgaa acccttgga gaaaataaaa tcataaccaa gtgactcaga anaaacatac
360taatgctaac tgt

373

<210> 2767<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggaggaggag gttgattatg atgatgatga ggaccagggg tcagccacac
60tctctcagac tctcagccc cagagagtat cagggtttt tccccgtcct catggacccc
120accactgcc catgactgct actccccgaa agcttccaga ggggtgagag gcaccacttg
180agcttctctgc cctctctgca ctgccccca aaatcttcta cattaagcag gaacccttcg
240agcctaagga ggagatatca ggaagcggaa ctgagcctgg aggagcaaag gaggaacca
300aagtgttttc tggaggggac actgaaggga atggggagct aggggttctg ttgccttcag
360ggccagggcc aacatctgg

379

<210> 2768<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg gctgtgaatc agccatgatg ctgagtgcta
60caagagagga ctgtgcggct gggagggtt ataacaggat ttaacctagt tagggaagat
120ctgaggaaagt gatgaaagaa tggaaatcaa tatgtaagag ctcaaatc agagtgaat
180gttttcttct atactgcctg cttctaata gcatccactt cattgaacca cctcttcatt
240gagccaaacc taccatacag ggatacatc tctggaggaa agttgagcaa ctattgcatt
300tgggacatta aagtatgggt gggctgacag gtatgtgn

338

<210> 2769<211> 390<212> DNA<213> Homo sapien

ggcagcaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt
60gaaacctcat ctctacaaaa aatacaaaaa ttagccagac atgatggtgt gtgcctgtgg
120tcttagctac tagggaggca gaggtgggag gatcacttga gccagaggag tcgaggctgc
180agtgaagctg gatcgagcca ctgtactcca gcctgggtga cagagcgaga ccctgtctta
240aaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta
300gctccagagt ttgtgctggt gaaagaagg taggatgtan aaaagggtt tagagacata
360cagtggctgc tcttcagtat tcttcaagg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagg agttgggtga ttgacattgt tgagctctgc
60aggaaatctg ttagtctcca tttccggagg tcttgcctatg tagaaaaatt ggatgacttt
120attgcttaag tcactataag aatgttttct gttacctgca acccaatgca cccaactaat
180aaagtatgtt tctagaaata cacttgccctg cactcatttt ttaagacaca cagaccacat
240acacatggag agatattttt aaaggctctg tactacataa attgtactat tttttaattt
300aaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag
360gcaggtggat cacaa

375

<210> 2771<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaggggtca ggagtttgag accaacctgg gcaacatggg
60gaaaccctgt ctctattaaa catacaaaaa aaattagcca ggcattggtg cacacctgta
120atcccagcta ctgggagggtg gaggtttag tagccgaga tcatgccact gcactccagc
180ctgggcgaca gagcaagact ctgtcacaaa aaatattctt cccagttttc atcatcatgg
240ctacaagtta ccaagggtcat ttgtttattt ggtcatttcc ttgagggcga gaggccaaat
300tgcttctgtt ttgtaccagc gccaaccttc tgatgtttgt tgaattaatg aacaccatt
360tttcagatca ggaaagggg

379

<210> 2772<211> 330<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac
60aatttaaatt tcaaaataag aatgttgaat ttttaaaaag caagttgcyg aggtaatata
120aatgtatgac acaacttata tatagttaa acataatata acaagagcaa atagtaaatt
180atgaatttga atgcataatgt gtggagagtgt tgggggtgag tgtggatgtg ggggggatgt
240nnnnnnntnn tgnnnngntg tgttntann ngtnntttt tttcttttt ttgnttttt
300ggggtggtta tgtgtcagg ggtttggtt

330

<210> 2773<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatatac
60tttatgtata gataattggg ggcacaaaac attctaggga acctccaaa tatttactag
120aataaataaa attagcaaaag ttataatgaa acataatgtg gccaggcatg gtggctcagc
180cctgtaatcc cagcactttg ggagggcag gtgggttgac cactgaggt agggagtgtg
240agaacagcct ggccagcatg gtgaaacctt gtcttacta aactacaaa attagctggg
300catgggtggt tatgcctgta atcccagcta cttgggaggc tgagtcag

348

<210> 2774<211> 408<212> DNA<213> Homo sapien

gtcttgctgt tcttaaccta ccaaagcagg caagtagacg cacatgtgtt ttacacacgt
60cattggaaga aggctggcaa taccagcttg gttgcaagga aagaggcaat tgtgaggact
120ccttctcaca ctgcagtaat ttgctgagt accttgaaca aggatcttaa tgcatcagag
180tctgtttcct caaccccaaa atgaagggtat tggaccagat gccctcaagg ttctcaagg
240gtcagctgtc acagttctcc aaagtgagtt ttcaggcaga catagagtta gccagtgtcg
300cctcaccagg acattttgtt ttctgaacat tgggctctg tggtttgtca catacacca
360ggggactggg ctcataactc cctgaagaac ctctgccag aacaaagg

408

<210> 2775<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggtct ttcataatac ctaactaatg atgtcactct
60aatgcttaaa catgcttcag tagcctcagg ataaaactct gtggttaaggc atcaaaggta
120ctcaaattgt aggtcccaga gttctacatg gggagcatct acttgttgc tgtatcatgt
180ctttctcaac ggtccctatc gcctagaaga agagttaatt gcttctttct tactgtcatt
240tcatgccttc agaataaatg tatagcacat ttcaccaggt tagaaactcc acaaagggta
300attcactgct atatttctag ggcctagaaa tctaggc

337

<210> 2776<211> 338<212> DNA<213> Homo sapien

ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgcc tggcctggcc
60aggaggtccc tcttgccgt cagctgcccc tgcaactgca cgtcccatg ctctgcagt
120cccaccagac agacacctct taggaagcgg catgctccct gggacaggcc ctgaggcatc

180acggcctctt gtgaaattat caaacgtcac caggtgccag aggcaggtgg gcagaacgag
240gctgaggttc actgggatgc tgtgggttaag gcctctgctg acctgtgctg tgccggccac
300tgggagtgtg aaatgagcaa acgggaacag aagggtgg

338

<210> 2777<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtct gttttgtaga gtaaactgaa ggatctgttt
60tgttatataa cacatttact ttccataaat ggtgttatct ggcaggtatt ttttggcttc
120cagaataaaa gttttaaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc
180ctcacttact cccaaactct aaaagtagat tggttttatg ttaaacagag aattcgtaca
240gaaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg
300gctattaagg agggcatcca tgatcaatac agactaaata caatgcacta ttctagtcca
360gtttattctc gtctcc

376

<210> 2778<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtct attactcgac tttgaatttc tcacacagct
60ggcattaaat tcctcttctc aagaaactta caagtagttg tagattatta tcaccagagc
120tgtcaatata tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaaaggggt
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg
240caccagga ctcacaatag cagggagccg ttagcacctg cgatgggctg aatcatgttc
300ctccgagact cacaagttga agccctatcc ccagtagct gataatgtga ctgtatn

357

<210> 2779<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaaggggga gaggaccag atgggcttgt tgaagtacca
60gtgggtaatt ggtgaagtgg ccaaggggtat gaggagtga gggtaataaa gaaagagcaa
120gggaaggaag ttgaggtgtg gtataagcag ggaaagctgt tggatgcaag gttggagtta
180gtgggggctg gaataaaaag atgtgacct acaactatta atgtgtctt gttaaacaaa
240atgattttgt tggatctgtg tgaattctg acttggctag cctatttcaa aatgcacgat
300gaggttgttt ttaaatgaac ttacgaattc agtttttccc tatttcccgt accgtgattt
360gacatatctc acagg

375

<210> 2780<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagga cttaaaacaa taagcattta ttactgatct
60gaagtccaca ggtcatcttg gtcagtctct gatctgagcc agcctcactc actcatgtgt
120ctgggtccact ggcagtttga aagggaaact aattcacatg tctggcagtt ggctgaatgt
180tggttagagc aataggatga ctgacctata tactttttgt tctccaacaa acagttgcag
240gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc
300acactgtcat ttccactgaa ttatttagct gaagcaa

337

<210> 2781<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gggacaaaagc aaaacacata ccataaatgc ttatcattta gatcccagg
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct
120gcaactgccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca
180gccaagcaaa gaatttaggg atgcctgtgc atgcagctta caacagtga ctcagcaaaa
240gcaactgaaa tgacgtggc tctgcttgt tacagcccc tcttgaacag cataccgtgt
300gtcacttctt ctctctgaat cagagatgta gctgccaga tgctacaaa cacttgaact
360atggcccaca ctcttgccag cagatggggg a

391

<210> 2782<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtgt aaggggaagg caaatactgg atcttgggaa
60ccactgtaat ctactttgtg tctagcctat ttcttatatc cattgatgggt tctgcctgt
120gctgtgcttt cctgttggct ctctttgatg ctggattctc tgtaccctgc tcccacactg
180cctcctgctg gctttcctca gatatcaagg accaagtagt cacatttccc ctaccatgca
240ttggtgtcgc ttcttctactg aagaaaacac ctagggactg accactcctc ccctccacca
300gatcttccca acccagtgtg ttctgaggct ttagggtaag gcagctagt aaatttttct
360ctccaaatcc tggaagg

378

<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcagcagat gaaggcccat gaggcggtt ttattgaaca ggaacaaaaa gaagctgttg
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc
120attgcagacg agggggagac tggcatgttc tccttgtgca ccattccggg tcaccagtta
180ttacaggaag taacacaagg ggatatgagt gcagcagaca ctttctgtc cgatctgcca
240agggatgata tctatgtgtc agatgttgag gacgacggcg atgacacatc tctggatagc
300gacctggatc cagaggagct ggcaggagtc aggggacatc agggcttaag ggacaaaaag
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag ggacatgtct gaccccacc agtggccagc
60tcagagcctg ataagtgtag gtgcccaggg aatgtgggtc agtgaacata agagaggact
120tcatggagcc caggcgtggg cagggcactc cgtgtgggg tgctgagtga agaggcaagt
180agatgaaagg gcccaggtca tcctggccat gtcaggagca gggaagggcc cacctgggtg
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggg gggcctctca
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336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcgt tagtcccagc tacttgggag gctgaggcaa
60gagaatcact tgaacccggg aggcggaggt tgcagtgagc caagacagca ccactgcact
120ccagcttggg taacagagcg agactctctc aaaaaagag caacaacaac acaaaaaaaa
180accatagcca tatggcttga gtaaggaaag acagagttgc ttttgttga gatggggatg
240acagtgaaaa gagcaggctt ggggtggtgg aaagtgcaa tgtaagtgtt cgattttgga
300tatacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg aactggaga
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378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcagcaggc aagatggagg cgactacggc tgggtgtggc cggctagagg aagaggcgtt
60gcggcgaaay gaacggtga aggcctacg ggagaaaacc ggcgcaagg acaaggaaga
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacagggg
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgcccc
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagcccga
300gcccgtcacc gaggaggtgg acctggccaa cctcgtcct cggaagcctg actgggacct
360caagagagat gtg

373

<210> 2787<211> 410<212> DNA<213> Homo sapien

ggcagcaggc taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt
60ttatttatgg accatcccaa cctccagtc gtccactccg ctttgttgc tcttcgatac
120ttggcagaat gccgtgcaca cagagaaaag atgaaaggag aactgggtat gatgttgagc
180ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggccctctgaa
240atctatgaca ttcttcagtc ctccaatatg gcagatggtg atagttttaa tgagatgaat
300tcacgtcgaa ggaaagctca attttttctg ggaactacaa acaaactgac caaaacagtg
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410

<210> 2788<211> 407<212> DNA<213> Homo sapien

ggcagcaggc tcgtcctgcg ggcggccccc agcccacctg ctccctatcc gtttccctgca
60agatgggtgcc cctgcaccc cctcaccat tgetcacgga aggaaaagca gacgtggcca
120gcctgcaccc tctgcctcc ctgagcctcc tggcctggct ggccacagct ggcattggacg
180ccatcagcag gtcctgtgca ggcggacggg ggcagccccc acagccaggg caccctggac
240ctcactcacc agcacccttt tggcttttc ctagcaaat atgcaaagtg tgaccagtgt
300ggaaacccaa aggtgagtgg gttccggctg caagccacca aggcttcagc tttgggggtg
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407

<210> 2789<211> 388<212> DNA<213> Homo sapien

ggcagcagtg aaaaccttat tagtggtgtg atagtagaga agcttttagt caaaagtcag
60tttattaaat gtttagaata cctaaacagg aagaaaattc tattgttttt tataacaaag

120tggagattt caagaaagga caactcactg tacacttgag aataatacct acagagggttc
180atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag
240ttctgtaagg aagtgggtgt ctttatacat caattattac aaaaagcagt gaattgtaag
300tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag
360ggtcagattt cctctcctgc cttaaacn

388

<210> 2790<211> 334<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagga accagaacca tatagttagt gggatctggg
60aaagtagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt
120gttctgggtg ttaccattat attaatacct ttatatggta ttctaatttc cttctctttt
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240taaatgagta ttacattagt gtctttatcc gggactgcc tcaattttca ttttatttct
300tccatgagtc aacggccctt attcatactt taac

334

<210> 2791<211> 399<212> DNA<213> Homo sapien

ctccgttgct gacggtgcc gggaaacgga ttcatctacc cacgaaggac gcgggagatg
60aggtgccagg gtaaacagcg ggaccgccca ctatgtcacc ctttctgcc gactgcccgg
120aggaactgca tgcagggcgg ccggctccgt ggcaggcaga ggcaggaaga ggcgcggagc
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240cgtggggcct gggccgccc aggaggccct ctggctggat tcttagcaga tggaaagccgt
300gcaagggcag gaggcaggg cctgacgtgt ttggattgag gttgcaggag gggcccctgg
360ctgcttcagg gagaataatt tggaggcgag cggngagggn

399

<210> 2792<211> 395<212> DNA<213> Homo sapien

ggcnnnnntc tgcagcggcc tacggctgcg agaagactac agaagggcac agaagggcggc
60tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa
120gatcaggatg tacaagataa ccccagaggg cgctcagcca agcttagagc cactatcaaa
180ttataagtta ccacatcttt attcttcaaa tttttctgc aggttctcta gtcttactc
240atggtaagtt cctgaatgtc ttgatatagg ttaagtatg ggacagtcta aaaattgata
300acatttagca ttttttttcc tcacaaagaa actgtggaaa atattagcat gacagagaaa
360gttccactca eggagtagca tctcaagacc ggaaa

395

<210> 2793<211> 372<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggc ctgagggtct gctctgcctg cctgaggact
60gacccaagct atattctgag tcagggttag ggcagctta gtgccaccac aaaggccttc
120cctcagcata tataacctca ctgtctccca ggagctatgg gggtaataca ggcattggga
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240atggcccaag gtcaatgtgg ggagtgtcaa ctggataaat gatattcagg gaagcccatc
300cctgttctgc tgcaagtctg gagagcatgc cacagggtgag cagcgcttgt gaaggtaaga
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372

<210> 2794<211> 372<212> DNA<213> Homo sapien

ggcacgagag agagagagag agctagtctc gagagcagct cttttttttt tttttttttg
60ggggggggga aaaaaccccc ctttttttgg gcttttaaaa aacaaccctt ttcagggaac
120tgggggactg gaaaataaaa ctcccccggg gttgggtttt tgggaacctg aagcctttta
180gaaggagag ggtttttttc ccaaaacccc aggggagggg gggctttgca tttttggaac
240acaaaaaggg gccccccctg gggggggaaa aaggctaaac cttccccctt acctggggaa
300tgagccccc cttttgtccc cttctggggg ggggggacgg ggcctttttt ttttttgacc
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372

<210> 2795<211> 393<212> DNA<213> Homo sapien

ggcacgaggt cccacctgaa gaaaatccat ggggtgcagc agcagtatgc ctataagcag
60cggcgggaca agctctacgt ctgcaggat tgcggtaca cgggcccac ccaggaggac
120ctgtacctgc acgtgaacag tgcccatccg ggcagctcgt ttctcaaaaa gacatctaaa
180aaaactggcag cctttctgca gggcaagctg acatccgcac accaggagaa taccagcctg
240agtgaggagg aggagaggaa gtgaggagaa ggaaggggag gacagacgtt cacactgccca

300cgtatgtcta cgtggatddd tggtdtttcag cttccccac cccactggct cttcttaatt
360agaagtgacc agttcacctc tgtgtccttt tga

393

<210> 2796<211> 353<212> DNA<213> Homo sapien

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120aggcaataaa gctttaaggc agaagtcaat tcatctggaa agactatctc tgagtcagac
180ttaaaccact ctttttact aactgattta caagatgata tacctacaac attccaggg
240gtacggcca gtacatcgta cggagtccag aattcctcag cagcatcctt tcatcaacct
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353

<210> 2797<211> 379<212> DNA<213> Homo sapien

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120gcactgggac tgtgggcccc ggccaggccc agcagagact ggagcagacc agctcgtccc
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240ccagcgcctc caccaagcac attctggatg acatcagcac catgttcgac gccctggctg
300accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag
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379

<210> 2798<211> 380<212> DNA<213> Homo sapien

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60tgatgatagt agaaaagcac tagtaatgta ccaaatgaaa ctgggttgtgt accagatgat
120tttgttaact tcttaaatag cctagaaatc gtccagcaggt cacatacaac tgcagtata
180atttcagaac atagcaaaat ggctgataat ttggatgaat ttattgaaga gcaaaaagcc
240agatrgggccg aagacaaagc agagtggaa agtgatccac cttacatgga aatgaaggga
300aagttgtcag cgaagctttc tgaaaacagt aagatactga tctctatggc taaggaaaac
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380

<210> 2799<211> 340<212> DNA<213> Homo sapien

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120ggcagcagta cttgaccctg tattttggga gtcgaacgga gaatggaaac tgaaagtggga
180aatcaggaaa aggtaatgga agaagaaagc actgaaaaga aaaaagaagt tgaaaaaag
240aaacggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctggttt
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340

<210> 2800<211> 368<212> DNA<213> Homo sapien

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120gaggtccaga agctgcagga gcagcagctg cgcagcgacc tcttggaaca gtaccgttcc
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240gagggcgtgc gcagaaaaga gggcctggag gccgctgagg tggctgaccg gggcgagag
300gccgaggccc ccgagaaaaga gcaagcgtac ctgcgccatc tgggcctgct ggaggagctg
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368

<210> 2801<211> 413<212> DNA<213> Homo sapien

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120ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa
180cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag
240gccaaccggt ttgcatgga ggagaagggt aaggagcagc tggaggccgc caagcccag
300cccgtcatcg aggaggtgga cctggccaac ctgcctcctc ggaagcctga ctgggacctc
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413

<210> 2802<211> 386<212> DNA<213> Homo sapien

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60aggcgctggg tgcacgtccc cagggtctct ggctaggaag gcagcggcga ggtgcctccc
120cacgtacccc tcgcgggccc agccgagcaa cgtggggcga aggcggcggc gaaggcccgg
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240gcgggtccag gagctggagc gggaaacttg ccaggagagg agtctgcagg tcccaggag
300cggcgacgga gggggcggcc ggggtccgcat cgagaagatg agctcagagg tgggtgattc
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386

<210> 2803<211> 344<212> DNA<213> Homo sapien

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120atgaaatgaa ggaaagaata ctgaaattg tcactggatt taatggatc ccttttacta
180ttcagcgact atgtgaattg ttaacagatc caaggagaaa ctatacagga acagacaaat
240ttctcagagg agtagaaaag aatgtgatgg ntgttagctg tgtttatcct tcttcagaga
300aaaacaattc caatagtta aatcgaatga atggtgatg tttc

344

<210> 2804<211> 437<212> DNA<213> Homo sapien

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120aatTTTTTgat aaataacaca ttactattg ttggtttaat gaaaacagct caattctgag
180gtattgctaa aatactgata ttaacctta agtttcttac ttaggtcaga aactcacagg
240ctattaaaaa ggttaacagg aaatagcttt aaatgatgac tatcacagt ttcataaata
300acctatgtaa actatcagca ttactcatgt taatgtaatg gaataaatgc ttataaacia
360acttgatata taatttagaa tctaaagtta cattaaataa taaaactcat taactgggtg
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437

<210> 2805<211> 385<212> DNA<213> Homo sapien

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120ggctcctagt atcctctctg tggccaaagc cttcacagtg aaaatagata ggaagagcca
180cctcgcctgg ccgatattt gtttttaaaa ggttgggcat ggcttatgcc tgtaatggta
240gcacttcggg aggcggaagt aggaggatca cttgagacaa ggagtttgag actagactgt
300gcaacatagt gagagcccat ctctacagaa naattttgta gggccgggag cgggtggctca
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385

<210> 2806<211> 401<212> DNA<213> Homo sapien

ggcagagacc accatgccca gccaaagccat gaaatcttaa tggctcaact aaacaaacat
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120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca
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401

<210> 2807<211> 401<212> DNA<213> Homo sapien

cgttgcctgct gatcttgggt ctctccaggt gatgtgttgg tgatatgggg tcaactaagt
60aagacaggtt tccaggtaga acatagtttt tgcctatttt tctctgggtg tccagggtcg
120ccatccctac tctactctg ccttgtggaa ttcttccctc aaaggtttta agcgtcttaa
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300aatgtttttc ctttttccct cttttgtccc ctggcactgg gatggtggtg gtctgtgggt
360gctgtctcaa ggtgccctta aaaaaggaca actcagaaga g

401

<210> 2808<211> 424<212> DNA<213> Homo sapien

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60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagagag agagagagag agagagagag agagagagag agagacacac tctctctctc
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240gtagtgtttc tctgtcgcgc ggttatTTTT atctatctct ctctctctct ctcatatata
300ccttttcccc cccctctctc ctctcacaca catatttttt tttttttttt gtgtgggtct
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424

<210> 2809<211> 407<212> DNA<213> Homo sapien

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60tacatttaca ttatgtaaaa ataaagggaa taatcactga gaataaagca gttgagtatt
120tataacaata atattttatg gggcgcttat aatgtttata atattgtaaa ccactgtgta
180ctctattcat ttaatgctaa atgacttgac cattcttctg ggataagaga tcattaaaaa
240aatgctaggg ccgggcacca tggctcacgc ctgtaatccc aggactttag gaggccaggg
300caggtggatg acttgagctc aggagtttga gaccagcctg ggcaacatga tgaaaactcc
360gtctctacca aaaatcaaaa aaaattatcc aggtgtgatg ttgtgtg

407

<210> 2810<211> 411<212> DNA<213> Homo sapien

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120ttcagggtctc ataaccagtc tatagtcagt gtcattcttg ggacagtatt ccttgagttt
180ctgatgttga attcagtttt gctggataca aaattcttgg cccagatttt ctttgagtat
240cttgatttat tctgttttct tccagcataa agtgatgcat gaaaagcctg atgaatcttg
300ttttcttccc ctgacagaca tatgtgggtt ttccttatat gcccaaagga ttttttctt
360tctctgtcaa ggcggtcgtt ntattcgaat gagcatgtgt agtatcggtg g

411

<210> 2811<211> 381<212> DNA<213> Homo sapien

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60taataataaaa agtacaacaa tactacatac tctgaaggag gggtagat3a atcatgctat
120aaaggcatga tcaaaataaa aagtttgat ctgcacagag aggtcagagg tttctctgtg
180gaagtaataa gagaattaag aactgaagga aaagaagggg ttaactatag aacgacaaag
240aatcacattc taaggaaagc aaataacaag cactaagatc ctgtggtttg agagaatatg
300ttattcagta gagccacaag atggtacctg tggctagaat gctagagaga gagtagaaca
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381

<210> 2812<211> 394<212> DNA<213> Homo sapien

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60acagggatga tgctgtctac ctcatggat ggttgtgcag gatcaaagat tcagtcattc
120agcaaaccta taccgagtac ctactgtaca ttcatgagtg ctaggcagcc agccttccag
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300ggagtgtcgg ggaggggctg gtaacagtca tggattataa gaggagggca ggcaggcctt
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394

<210> 2813<211> 386<212> DNA<213> Homo sapien

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60ctgtagtttt tcataagcag taggagcatg atcatgagac ttaggaggag caaactttgt
120cccagtatag tttaagaaat ctcatatctt tatacaaaat atgtttgcag ctgaacttta
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240tcccaggaat atgaaaattg tatagattcc tagttgctgg ctagagaagt gagagttgaa
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386

<210> 2814<211> 385<212> DNA<213> Homo sapien

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60ttgaataata tatggaaagt taaaaatgc tttctagata caaaggaata aagctaagat
120gaagcttaac gtgagggtt acttactgtg gaattgcatt tcaaactggg ctgaggtggg

180atgggtggtgg tagataagag gccagctaga gtaaacataa gctttgtagt tttattattt
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385

<210> 2815<211> 392<212> DNA<213> Homo sapien

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120attgcgcatt gtacttcagc ctgggcaaca agagtgaat gccgtcttaa aaaaaaatt
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240attcgactgt taaccaacat ttaaccattt tgctttaact etatatcctc cctttcttga
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392

<210> 2816<211> 406<212> DNA<213> Homo sapien

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120aggaatgggt cttgtgaaat tctgagcaaa aacaaaggca aactctatct ccgaaagggg
180cgtttggtgc acatttctc tctgggggag gactccaaag ttctcaaaat gagaaggcag
240aaatgaaaac acttcaactt ttttttctt ttcttcccg ggccgggtgtc ttgaaccctc
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406

<210> 2817<211> 405<212> DNA<213> Homo sapien

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120taaaacatgt ccatagttgc agcacgctcc attggacagc atgcttagga caggagttgt
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240aagcctcgcc ccttctttc ctacacccca gctctgtcc tcaactgtga gggccttgga
300tgtgcctgga gcagaggcca ggcaggccct ggaagcagtc ttgggctgta tggatggggg
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405

<210> 2818<211> 386<212> DNA<213> Homo sapien

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60ccgggctgg gggggccacc cctgaatccc cattttgtca ggaggetaaa ggggaagaat
120ccccctggcc caggggggca agggatccag ggaccaatgg tttaaccatt gctttttacc
180tgggggaaaa aaaggaaacc ccgtttaaaa aaaaaaaa aagaaaaaat tctaaaaacc
240cttattttta taaaacttaa aaaggcgagg aaaaaatagg ttttattatc ttattttaac
300aaagggaataa ttgggggcta aaaaaataaa agtttattgc taagggcctt gggcttaaaa
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386

<210> 2819<211> 386<212> DNA<213> Homo sapien

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120tatctggctg tggattcccc tccaagtgga ggaggatggg caggctgggg atcctggggg
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386

<210> 2820<211> 380<212> DNA<213> Homo sapien

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120cggagctggc cttaggtggt caccatagtg agatcctgaa ggcttcgaag aggccacaag
180aagtacagga atatagccca gtcttagcgg aggccatgca gcagatgggg ccctggggag
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300catgcaaagg ccacatcctg ctgggtctaa gctctggatc ctgttgagga cagaactcag
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380

<210> 2821<211> 396<212> DNA<213> Homo sapien

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120tggtgcctat cctacagaag aggggtgcat cttcttgaa gtgaaagacc agctgtgct
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396

<210> 2822<211> 382<212> DNA<213> Homo sapien

cctggcaaac cttgttgcc tggcagaaaa tataaccag gaactgaca gtcttatgtg
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120cattgcctg ggaaagttag aggaaaaagt caagggtac aagaagcagg cagcactgaa
180gctgggggac atcagtcacc gtctgtgga gcagcaggag gacttcgccg gcaagacagc
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300ggaccaggcg ctgcagcaga acagaagaaat ggaaggtgaa cttgaagtta tttgggaatc
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382

<210> 2823<211> 382<212> DNA<213> Homo sapien

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120gatgagtttt caatttacca gggatacata attttaaatt tgtatacccc taacagcata
180actttgaaat atattttaaa aaactactgg aactacggaa tattcaaat cacaaagggg
240cattttcaca catctcacag agggacattt tcacacatct ctctcaaat tgatgggtca
300aatagacaat aaatcagtaa ggagttaaaa ggtrtgaaga acacaattaa gaagcttgat
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382

<210> 2824<211> 405<212> DNA<213> Homo sapien

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120ggagggttga gtgagctgag atcgtgcccc tgcactccag cctggcgac agagtggagc
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240tattgccttc tcttgtctg gtctccactc aaagcatgca gccttctggg tgattttgca
300gatgggtcaa aacagcatac tcaatgttgc ctcccaata aaaaaacctt ccgaccattg
360tacttcttct tttgtggtag gtactgcaac ttgcagcaac ttgtt

405

<210> 2825<211> 418<212> DNA<213> Homo sapien

cttgttctnn nngcccatcc catcgattcg aattcggcac gagtggagc ctggcaggcc
60actcgagttt tctctaggag gttaggtctg actgcggtc cagtcatctg ctgagccctg
120ttcagctgga gctggatgaa caaaagcttc catgacaggg ttggagtcca ggatcctctg
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418

<210> 2826<211> 404<212> DNA<213> Homo sapien

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60gaggattttt tgaagatgca tctcagtac atgaaaacct ctcgttccag gacatgaacc
120tttcccgccc tcttctgaag gccattacag ccatgggctt caagcagccc accccgatcc
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300gccaggctcc agtcacccgc gtgctggtgc tagtgccac ccgagagctg ggcattccagg
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404

<210> 2827<211> 357<212> DNA<213> Homo sapien

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240gtcaggagtt tgagaccagc ctggtcaaga tgggtgaacc ccgtctctac taacaatata
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357

<210> 2828<211> 361<212> DNA<213> Homo sapien

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120agtgcagctc catctcttaa aaaaaaaaaa gtttattctt tcctgtgggg taagcagagc
180tgaagtttta aaaagacagg gggggatctt cattagggaa ctgggcaatg ggcttctcat
240gttaacaatg ttgacaacaa cagccaaaag gaaaaatgta aaacccaaaa aaaaagctgg
300cgcagggggt cacgcctgta gactggcact ttggatggct gaggcgggga ttgcttgagg
360c

361

<210> 2829<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtga taaagtgtt ctgcttctct ttgacaactt
60gcatctctcc tacatggaag taagttttat tcctgtcaat gttgtctttg tgtgtgacag
120attaggatta aattatggtt tgacttttcc tagcagcgtg atcatgggca agtggctttt
180tttttttttt gaaaaaaagt ttattttttt tccccagggt gaagggcagg ggcacaattt
240gggttacttg aaactccggc ccccgggcca aggggatttt cgggtggaat tttttaaaga
300agtgggaacc cccccccc cgggttaatt ttggatttt aggaaccaac aagttttccc
360cattgtggga aaacg

375

<210> 2930<211> 378<212> DNA<213> Homo sapien

cggttgctgc ggattccagg tgcattgctac cagccccagc raattttgta ttttagtag
60agacggggtt ttaccatggt gccaggctg gtctttaact cttgacctcc aataatccac
120ccacttcagc ctcccaaagt cctgggatta taggcattgag ccagtatgcc cagctgttac
180ttttttttta gccattggga aaagtgtttt aagttacatc ttgtttgctg atatataaac
240tacaagtttt ctgttatgac ttggaattca caatctttct aaacttaatt aattctaatt
300tatctatttc tatctacata atatctgtga atgagttttc ttttagaatc ttacagcttt
360tttgttctta caatattg

378

<210> 2831<211> 371<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg acgttatgtg aatcttaagt cttaccagtc
60cttgcatag tacattaaat ttggatgttt tggaagcaaa ttcatacgat cgtgagtgt
120ttctccaaag aaaaaagcct tgtccagcct gaccaacatg gtgaaacccc atctctacta
180aaaatacaaa aattaactgg gtgcagtggg gcgcattgct gtagtcccag ctacttggga
240ggctgaggca ggagaattgc ttgaaccctg ggaggcagag gttgcagtga gtcgagatcg
300cgccactgca ctccagcctc ggtgacagag caagactcca tctcaaaaaca acaaaacaaa
360caaaaaaaaaa c

371

<210> 2832<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg tcccagcccc ctaatgttga gggtttggga
60cagggtggcaa ggatgactac agggagtcac ctaagcaaac tgaaagcagg attcagaaac
120atagtttaat catagctcgg ttactaaac tataaaacat tctgtccttt tacttgaaag
180aactagctga atataaatca caaacttgaa aaaactactt ggaaaccact agtttagttt
240ttattttaaat tttaaaaaat ggtataaag cacataactt atgtgacatg gaagcaaat
300taaaacattt atgagtaatt atatttttaa agtattagat accttagctc aacaatagca
360tagaaagtta ggctt

375

<210> 2833<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ctaagatttc caaaatacta taaaatattc

60tcattgttctc aaaggcagaa ccagcctttt aaaatttaatt ttaatcagca ctttaaaaaat
120tatcctatga attgatgggt gtagactaga tagttatccc taactatttt ttgtctcctc
180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa
240ttgtatacat ccttgcctca ctgatttagg gcttgataat atgacataat ttgaccaatg
300ggatgcaagt acaataaatt tagctccatc ctggcagaag cttcagcg

348

<210> 2834<211> 348<212> DNA<213> Homo sapien

tttcaagcgg tttagggctg cgagaagacg acagaagggt agcagactat taagatgttg
60agtaacaagg gaaatcaaca cggaattgta ggcctaaacc actggcttat aaccagatta
120tggggcccctt taagaatctg ataagaagtt cgcattttct ttatccccag aatagacata
180cataaaaaata atgcatacta agtatctggc attcatagac ttccctataa tacattaatc
240acacattatc agtcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt
300tctgggtgta agtactaaca gtgggttaatt tttcaaccca ttgattat

348

<210> 2835<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagt gctgggatta caggtgtgag ccactgcacc
60tggctgagac tgccttttga ctgatgactt atgttttagct ctgatgtgct gacagggaca
120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaaagg
180agacaatagc taatgaaagg ttcccaaca tttgggggag ttgaaaaaaa agagtcgagg
240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga
300ggcaagccta tttaccccca cagaatcctg gaaaaattca gcaattggaa gtacaaagtg
360taggtgaggc aatgagcaa

379

<210> 2836<211> 374<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaaggggca caccgcgcgg gaagggttat caagtgccaa
60agatcaatgc tacctaccac ctgtacctgt atgggtgaag gcagaagaca gggagctcta
120ctctgccttc cactctcctt atcttatctc ccctttccct gagcaaaata ttgtcacaat
180caacctgtag cagatgttct ctgtgctttt caaacatacc aaaagtctgc tcatctttaa
240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa
300tagtgtttct ctgtccattt aaaaattact cagctgatgc acttacaagc ttctaattca
360caataatgac gatt

374

<210> 2837<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agagggggct ccaaaagcat gaaacattta atgttcattt
60taatgtttgt gcaaatctg tacaattaaa tctgtaaaat atttagcact atttgtaaaa
120tactttaatg gagacatata tcatgttcat tgaacagatg actcatcaag ataccaatta
180tccacaaact gatcaacgga ttcaacgtaa ttccattctt agtctgttta tgctgctatg
240acaaaatacc tgagactggg taattcataa aaaacaaatg tattttggta ggtttgggtg
300tctgggttagg gctatatgct cccgagggga gaaacacat gtccgcatgt ggcagaaggc
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372

<210> 2838<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagt tgtaaatgtc caaagctaac aagtaaccaa
60caaaaagttg gttaaacatt ctcttagaca ttgctgttag tagttaattt ggggaacaga
120tatctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttggatat ggaagttctg
180ttgtgttctc tctcctctc ctcctcaaag atgagtcatt taaagttgat tcaggtgcca
240gacaatgaaa aagaggggtg caatgtctgc catatgaatt gaaatgtttt gatgagaggg
300catctgcagg agaattatct ggggggtggtc tatctttctt tctctggctc ttttctctc
360ctggatgctc agcttctt

378

<210> 2839<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ggatatcgga agcctgatt agattctatc
60ctaagagcaa cagaagatca ctgacagtgt tttaaataga tagactagtt tattagattt
120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatggtgaga
180gatgagtttag gaagttgtga cagctctcta tacctaccgc taatgtagag gattatttat
240tttcatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agtttctcta tagaacatat atgggagaga gaga

344

<210> 2840<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggggt ggcgggcgcc tgtggtccca gctactcagg
60aggctgaggg aggagaatgg catgaacccg ggaggcagag cttgcagtgc gctgaggtcg
120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa
180aaaaacattg ccttggggggg ccggccgcgg gggtagaatg tccaacccgg aaacctttgg
240gggtgctgggg gtgctgttcc ccaagccaag gttttctccc ccccgggccc ccccgggga
300aacccccctt ttaataaaaa atccaaaata acctggggct gggggac

347

<210> 2841<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcac attttgttgc tggctaaagt ttctggcagt
60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggc agacacaaga
240aaataatgga tccaagaaag caagtcttct atggttaaga ggttaagtaa caattgtaac
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg

347

<210> 2842<211> 346<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcac attttgttgc tggctaaagt ttctggcagt
60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggc agacacaaga
240aaataatgga tccaagaaag caagtcttct atggttaaga ggttaagtaa caattgtaac
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg

346

<210> 2843<211> 346<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagggg acagtggcac cacctgattt catgatgtac
60catatgcact aacacatgtt tgaggtacag aattgaagct gatttttctg cttaaagatga
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc
180tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat
240tgccctgtaa tctgcttatt ttaacaacat acggtgctgg gcacagtggc tcacgcctgt
300aatcccagca ctttgagagg ttgcgggtgg atcacttgag gtcattg

346

<210> 2844<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcct gtttaccagc tgggccaaca tggtagatat
60atgagattca catatggttt cattaagca cataggaaag tgctcagtca atatttaatt
120agtttaatta gataaggga aggagaaatc cttaaattga tggattcttt tatactgtga
180atatatttcc atcagtgttg gtaagatgc aaatgactat cagttagatcc cagtcatcag
240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat
300tttccctcag gaaatttagg gactctgaag cccctatttt attctcttgg agtaaactgt
360tgagtgtagt tac

373

<210> 2845<211> 345<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcac acaagggagg tttgttgtaa ttgtctgcta
60tatgagaagc ttttgtgaat taccttgcac tttctgacct gcctgggac cttgccagtg
120ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatatacag
180tgtgtatcac cttaaaatgc ttagggaggg cagatagctg tgctctctac cttatctgg
240agttattgag tctgatccct tcgggcgagg cctcattccc actttcatgg ctggtttggg
300tcgacacatc atccaacttt ggacagagga tacaggctgg ctgga

345

<210> 2846<211> 374<212> DNA<213> Homo sapien

tacggctgct agaatacgac agaaggggat tgaagataag acgggaattt acatgggata
60aaagaaaaaa agtaacctta atgaggacat tccatgtat gattaaaaaa acattctgga
120tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcatgtatta
180atttgttttc agaaattaaa gggattacaa ttgctagtaa aattgaactt cgtaataata

240ttttctctgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga
300ggtagcttct ttatgaatag gtaaaattgt attttcaaaa atttgtatca taaacaatat
360gtagtttccc tgta

374

<210> 2847<211> 351<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ttcgatcttc taggtcacag aagactttgt
60tagctggtat agcagacagg gaaaagttag cacattccca tctttaagag cactgcttct
120aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag
180ccttcacaac aaataataaa taaagaagga gtgatatagt catactgtat tatacctact
240tactatactt attcgtagt atactgtatg agagtactgg tcaggggatt gggatttgaa
300ggttcttagt ctggctctga tactacctag tagggcaatt tagtcatgtc n

351

<210> 2848<211> 345<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc ccatgggggtg cacagaatgt ctgtgagact
60gatggagtgg agaagcccat cccccagcct ctccagctac tcgaggcatt ctgtagaaca
120taagcccata gaattgtgtg gtgtgtgtgt gtgtgtgtgc atgcgcgcgc gtgcgcactg
180gaggaaacctt agaaactatg tggcgcactt tctcttattt tagagctccc agagtgtagc
240tccagaatcg taaagggata tgcctagtct cacagccagc cgtgggatct cagtcccaac
300actcaccctt gtgctactga gtcagctcta agaaaatctg ccaag

345

<210> 2849<211> 368<212> DNA<213> Homo sapien

aattccgttg ctgtcggcgc cgggggcgca gcttatgagg gcgccggacc tgggaagccg
60attgcaatca gttgtcagac ccgggaagcc cgacgttccg ctctcccag tccctctgtg
120gggtgaggaa tgggtcttgt gaaattctga gcaaaaacaa aggcacaaac tatctccgaa
180agggacgttt gggcacatt tctctcttgg gggcggactc caaagtcttc aaaatgagaa
240ggcagaaatg aaaacacttc aactttttt tctttttct cccggggcgg gtgtcttgaa
300ccccctctt ccccgccct ctggctccgt tctctctccc tctccacc gtctcccgga
360ctcggggg

368

<210> 2850<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcac tagctgccag ggcagttggc tgggcaactga
60gaggctgttg gagccttata tcttactta cttctggcct tccaatttg ctctatactc
120ctatccatga aaaccaacca caaatccatc tgtactacct acccgctac tctctaaaa
180gcaaacaaaa caccacacac acaactat actgtcttaa aaagtcttg caaatgcata
240cctctgtgga ttgaaagccc tctccagtc tcttatctc aaaggccaaa ctcaaatct
300acttcagtga gactttctc cattctaaag caagggtcc cccaacc

347

<210> 2851<211> 343<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg aagctcaggg ttggactttt gatgcctcgc
60aaagtgtga tacagatact tacacatcta aaacagaagc tgatgacaag aacgatgaaa
120aatgcatgaa agttgactta gtatctttc catcttcacc tattatgggt gataatgata
180gctctggtac aagtgataag gatcatagt aaatacttga tggattagt aacataaaac
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcac
300aacagctaag tgaagttagt agcacaagag agtgccctgc ttn

343

<210> 2852<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaca aacaatagct gagcacagg agagcgtgac
60caggagagag gcggatgctg gcgcaggaag gctctgagga aggctgcaca cacaggatgg
120ccctctccag cttcacgtcc tcagggttac agatacagcc ggggctgggt gtcacagcaa
180gcaccctcca tctctgtc tgctcctaag ggcccttct ggtgtccagc ctggggcctt
240tgctaggtca gagccaagg gatccgtggg aagcatgtga tggggcagg cagagggctg
300gggcgagggt ggagttcagc acaggaggtg tgtcacagtt ggggcgtagt tgtaagtgt
360ggcctcatgt gtgt

374

<210> 2853<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa tcaggattca gactccataa aaaagcctga

60agaaatcaaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttggaaag
120tctttaaact acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct
180ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa
240ccgattggtg gagacaaaat caagtgaaga taagttagaa actaaagtgt agacccaaac
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat
360agttgagcct aaacaaa

377

<210> 2854<211> 371<212> DNA<213> Homo sapien

ggcagcagggg cagaggttgc agtgagccaa tattgcaccc ctgcactcca gcctggggcaa
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaaaa aaaagggggg cggaaatttg
120gggggggggg cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac
180ccctaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca
240aaaaccaccc gacccaacgg ggaaaaaccc ccgtttttat aaaaaaaaaa aattaacccg
300ggattggggg ggtggccctg aatccccact ttcccgggg gtgggggagg gaaaactgtt
360taacctgggg g

371

<210> 2855<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg ggaaaggcag agaatgtctg aattcttggg
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120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc
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240cttgacaggg ggagagcttt ccacagccag gcttaccatc aggggaacaa ctggagggtc
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347

<210> 2856<211> 329<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggact ctggctgccc agacaacatc caggcctttc
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120ctccctccct gtccacctt ctgcagttcg aggcactcgc ttggcctca ggacacaccc
180gccttgcctc ctctgcaggc cataacatcc ccttctctg acctcttcta aaatctcctc
240cttcacgtgg ttccttcata ctatggccca ctggactact gagcctaate atccaaaaat
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329

<210> 2857<211> 325<212> DNA<213> Homo sapien

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60taaaacttca gaaattagat gaccaaattc tacaacttct aatgaaact tctaattcaa
120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa
180gtgactatgg aaacagaaaa gaatgcaata gaaaagtctc tcgaagatca aaaatccctt
240atgatgccaa aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa
300gttgtaatcg taaaatgaaa ccacc

325

<210> 2858<211> 380<212> DNA<213> Homo sapien

ggcagcagag agagagacat ctgacttact gtagatgagg nacctcaatg caacgctgta
60gctagctgtg acaactgatt agtctcttgg gaagacaagc gggttatata ctacgaacca
120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc
180cacatgttgc tacttaaagt gagaaattca ttgcttcagt cacactagcc atattacaag
240tgtcttatgc ccggacactg aacatttgca tcatcacaga aatttctatt ggccagcgct
300gacttagaac gtcattgttg gaagagaagt gaggccgtgt ctaggaagca tgagagatca
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380

<210> 2859<211> 463<212> DNA<213> Homo sapien

cgttgctgtc gctctcctcg aggtgccccg ctgtgaccag cagacctgca cacagacgca
60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg
120gatgcctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga
180cagaatcatc actactgtgt gtccttggaa cttaaagtag taaaaaaaaa aaaaaccggg
240ccgaaagtgc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccatgctggt
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acactatggt attttattat accaccccaa ccaaacgggt agggtaaagg
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463

<210> 2860<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gtttagagtta tagagagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagacaga gagagagaga
120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgcgc
180ctctctctct ttttttcgtg cgctcttgcg atagatatct tttttctctc ctgcgcgctg
240ttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag
300tgtagaatat gtgtgcgcgt gctttcttct tctctctctg tgaggggggt tccccccct
360tcgtttgtgt gtgggctctt tatgtgtgtt ttctctcgcg cggccgcaca ttttaaaaaa

420

422

<210> 2861<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc tgagtatagc aatatctgtc ttcaaatgc
60aattttcac catcagatct ttcatttctt catgattatg aaaatcctaa ataaaaaac
120agaaagtgtt agctagtact caataaaata acatatcatg attacctctg aagttaaaga
180ataacctgca catccatgca ctaaaaaggt tactgtaagt ggatatccaa ctggagaaaa
240agttgaagca aaattttgaa ccttatagag cataaattcc aaaaagtcca gaaatttatt
300taaagtcaat gaatttataa aagtaaacac gcacacacac atgcacacca gagagttttt
360aagagtttca gaattggaat

380

<210> 2862<211> 450<212> DNA<213> Homo sapien

tcttcttttt taggatccca tcgactcgaa ttccgcacga gtggtgttcc actagtatgt
60tgaaaatgtc atatcatgga gaatggagac accttccagg tgtctgttaa acccatcttc
120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaagg
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca
240gctctatagc ctccatatac cacctgatag aaccctgtaa taatgctctt gaaagtgtaa
300cactcatgct tcctaccaca agcaattaac ataaagctta tacgccagct gtacgacgcc
360cattgtttac ataactctc tacttttaat tcaaccatct tttgcacccc tcgattcgat
420cagctccacc tctagtctct acgtatcgtc

450

<210> 2863<211> 398<212> DNA<213> Homo sapien

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120ctcaaatatt caaattattt tcatcataat ttaaattctc aaatatatag tgttttattt
180tcagatatga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag
240aaaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact
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360tctcatggct aatgtgaaat gggatgtaga aaaaaata

398

<210> 2864<211> 408<212> DNA<213> Homo sapien

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120cagacagaca caccctgggtt tgctctcccc cctctcttgg tgctcccaga gctacgcttt
180ttttgtgatg tctctcgcgc tttctctctt tgtgcacac ctctactgcc cccctttctc
240ttttctctct tcgcccgcct tttttttttt ttctgcacac actgcccggg gtgaaactcg
300ttcccccccc ccgctctttt ctttttttat gtcacgtccc ccgagggagg cgtggctgag
360aatggcttcc atggagtctc cccgtgaatg cttttctctg ccacaccg

408

<210> 2865<211> 399<212> DNA<213> Homo sapien

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120agaaggggtca ggccacacag ggctggataa agggctctga cttcattctt ggtgtgatgg
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctgggtg ggtctgtgga
240agatggattg ggataagggt gggagtaggc tggaagggtg atctaccaa ctccatcctg
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360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

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60caatgagaat ctgttaccga aactgatata aactccctca gaaagaaaga tactactccc

120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac

180agctaataatg aaatgggagg ctggactaaa tctaaccctt ctacccttga tttcaattct

240aaaaggacac gtactaccat tgcagaaaga aaagacaggt ccaaatgata aatttttagag

300ttgttttgcg aggatgcaag agaaattgga taagtggacc actcatatct tgctgggtgag

360atatgaaata gtagagccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

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120cgaagtgcct ggattgcagg tgtgagccac tgcgtccagt ctggcgcca agtttaagaa

180gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccacaaa

240tgaagcgaact taaaacagta agtcttctg catcatcatg tgggagtatg gatgtgggca

300gggctcatct ctgttccactg tgctggccac gctagcaagg gcaattaaca gttggcaggt

360aggctggctt gtgcttccca ttgccctcac ccacatgggc ttccagccc

409

<210> 2868<211> 413<212> DNA<213> Homo sapien

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120acttgcccta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg

180ctcacctgt gtggctcatt cccacccagg aaactgaaga taaaagattt gggaaaacac

240accaagaaaa aggggcaggt ttctttgcc aagcatttgg tgctagttag aggtgttca

300ctctctcctg ctctctctcg gtagtagaat aaaggctgtg acacaaggaa gccagtggg

360tgggaggagg gaccataat cctccctat aaccacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

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120ggctcggtgg cctgaagaag cccccacccc agcagggagg caggtatcca gttagcagga

180gaaagcaaaag tggatgatag atagcgaagg gtgaggggat gtcagggtga gggcacagca

240agtgcaaaagg cctgatatg ggaccaggaa aaggagctgg ggctgggccc aggtggagga

300agaggcagcc tgcaagagt ccagatgggc ccagtggtg tgtgtgtgca gaagtgcgct

360ctggctccca ggtggagtgg ggcttatagg ggtcaggaa a

401

<210> 2870<211> 414<212> DNA<213> Homo sapien

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120cccggggtgg gcccggtat gtggatgtct gcggcctctt cctgctgag atggcaacca

180tcttgggcat ggtgccgct tggcatagcg cccggctccg gatcttctg tgcctggggc

240ctcgggaggg gcctggggcg gccgaggggc ggctgcgggc actgctgag caactgagga

300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaacccgagg

360cggaggagga aggggacttt gtgaacagt ggcgngaga cgcataggca gagt

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcgg tagcacaagt

60gatagaaacc agggaggag acagtgcatt aagacttcat cactgtttaa aaacaacct

120gacattccag aactccacag acctgtggtg aagcaggtgc aagaaaaagt gtttacttca

180gtctgttttc atgagctggg cctccacca catttaattt ccacaataaa tacggtctta

240aaaatgtcta gtatgaccag tgttcagaag caaagtatc ctgtgttgc ggaaggcaga

300gatgtctctg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg

360gtccagtcctt ttcaagcaat ggagtcacaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien
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120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt
180gggcttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg
240acacctctgt atgaccttcg tatcgacctt aagatttacg gagaactgtg gaagacagga
300atgtttgaac gcatgtctct gccacagat gaagatgaac acagtattga aatgcatttg
360ccttatacag ctaaagccat ggaaagccat attgatgagt tt
402

<210> 2873<211> 391<212> DNA<213> Homo sapien
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120ggccgaggag tatctggaca tcgtgcggga gcacccctgc cccctgtcct acgtccgggc
180ccacctcttc aagctgtggc accacacgct gcaggtgcac caggagctgc gagaggagct
240ggccaagggtg aagaccttg agggcatcgc tgctgtgagc caggagctga agctcgggtg
300tcaggaggag atatccaggc agggaggagc gaagcccacc ggcgacttgc ccttccactg
360gatctgccag cctacatcc ggccggggcc c

391

<210> 2874<211> 382<212> DNA<213> Homo sapien
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60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggttt cacaagtaca
120gtctacaaaa agacctgcta gagccattat tgcccccccg agaattttca tccttggggc
180ttctcatcat gtgccccctc ctcgatgtgc actttccagt gtggatatat ataggacacc
240tctgtatgac cttcgtattg accaaaagat ttacggagaa ctgtggaaga caggaaatgtt
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382

<210> 2875<211> 386<212> DNA<213> Homo sapien
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120cctggcagac atcgtggtcc ccagaggagc cggcaacacg gtggccatcg acctgattgt
180gcagcacgtg cacagccagc tggaggagcg tgaactcagc gtcagggctg cgctggcctc
240ggcacaccag tgccacctgc tgccccggag gctgagcgtc ctgaagagca cggcgagggt
300acggggcatg cacaccatca tcagggacaa ggagaccagt cgcgacgagt tcattcttca
360ctccaagaga ctgatgcggc tgctca
386

<210> 2876<211> 367<212> DNA<213> Homo sapien
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60tgttgttagg atgattctca cttgttattt aacctcacc tgattttacc acaggcttat
120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg
180gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagtt ttgcagtact
240gatgagctgt agggggaaga attgcttcag ccaaaatgcc actagctccc cttttgaaaa
300cagtacaagt ttaacttaaa ctaaattctta atgacagtga aagttaattc ccagttatta
360tctttga
367

<210> 2877<211> 357<212> DNA<213> Homo sapien
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60agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga
120aagagggtaa gatataatatt tataaacaca cacatacaca tattacataa aatgagaaag
180tgacatgtct ttcattagtt ttccaagagc agaagggaaa aataatggga aaggaataga
240caatatttga tgagataata gttgagaatg ttccagagct gataaaaagc accatgacaa
300atttgagaag ctgagagaac tgcaagcaga ataacgtaaa gaaaatatgc ttctaag
357

<210> 2878<211> 376<212> DNA<213> Homo sapien
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120tggagacctt attaaaatgc agcttctgat tcagtgcgct ggggtggggc ctgagagtct
180gcatttctcc caggctccct ggtgctgccg gtggtgctgc tctgagtaac aagggggtgg
240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag
300gtaattgagg tgggatcagt ctgattctgt aagctgtgtt ttcagccaca acatttactg
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376

<210> 2879<211> 367<212> DNA<213> Homo sapien

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120aacttcatgt tctgagcagg atagtgcatt cctattgtac ttgacaggat gaagtatctg
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240ttattttatt ttatttttgg ttattttatt atttttttga gacggagcct cactttgttt
300cccaggctgg aatgcattgg tacgatctcc gtccacacgc tctgcctcct ggggttcacgc
360cattctc

367

<210> 2880<211> 364<212> DNA<213> Homo sapien

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120agttgggttaa cagttagttg attagttggc actcattttg tcacatgatt caggatgact
180gggggaaac aggatattgg ggtatatctt taactttttc acttctaaga taatctacag
240tttccctacc tctcgctcat acctcccta tccaagatca gaacttcaga ccgtcccat
300gggaatatga gggctgggta gaaggagag gaactgtta caggattttc tgaatttcag
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364

<210> 2881<211> 369<212> DNA<213> Homo sapien

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120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt
300ggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt
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369

<210> 2882<211> 334<212> DNA<213> Homo sapien

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60tctaaaataa aatggaaat tataaaaaaa aaagaaatta aattgtgaag aagacaaagt
120atcaaaaagac cttttctgtt agagtctaac aatgttcaaa tttagcttct tggaaataac
180ttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaa actgcttcat
240atttcccga tcttctcaaa cttggtatct gcatatcaat gacttttagat tttattttta
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334

<210> 2883<211> 341<212> DNA<213> Homo sapien

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60gaaatagaca atagaatgag gcagagggtg cagtgcgctg agatcacaca ttgcactcca
120gcctgggttaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
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240cgttgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg
300cattagcccc caccgacctc tatcccacca gcatctgcct g

341

<210> 2884<211> 352<212> DNA<213> Homo sapien

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120tcttaagtgc tctcaccacc aaagaaagggt aactgtgaaa agagatgtaa actctatctg
180gactagagta acctcagttc actaagggtca ttatgaatat gtatatcaga acatcatgct
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagctgtg
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352

<210> 2885<211> 344<212> DNA<213> Homo sapien
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120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga
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240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca
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344

<210> 2886<211> 335<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaaggggtt aaaaaagaac catggagacg gatgcattaa
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120agatctcttc ctgaaacgt ttttattttt tttttacttt gcttccaggg ttttgttaca
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335

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180tcaaggggtt tgcttttatt tctcctaatt caaacatac cagggttttc aacattctat
240caaaaacttt taaaggcaaa tgttaaatc actccatctc actcaaagga tagcatttag
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334

<210> 2888<211> 338<212> DNA<213> Homo sapien
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60atctgcagtt tgcaagtgcg gcgaatcttg taggtagatt taccttgagt ttttttga
120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaa
180gagcgcacga acaaaaaaac tttccacttg aaccatggt gtttcacttg acagtggga
240tggtgtccct ggcaggatag ggttccacc tctgtgtgt gccggtagga cagggagag
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338

<210> 2889<211> 347<212> DNA<213> Homo sapien
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180aagggaggac gcgagagaaa cagcgcgagc acgtgaggg ccgggggttg ccaggagagg
240ggcccgcgga cccgcatagc ggaggaaggt ccgggagaaa aggggcggga cggaggagaa
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347

<210> 2890<211> 378<212> DNA<213> Homo sapien
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120tcagggtctt gcgtgtgtgc cagctggctc accgccttgc tctcaccaa gtccttctg
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240gtgagccttg tgttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag
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378

<210> 2891<211> 432<212> DNA<213> Homo sapien
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60tgactgtgca gtcctcagaa gagattagc tgatctttac caattgacgt gaaaagatga
120tgatattaag tgaaaaaaa acaggttgtt ggctgggcat ggtggcttat gcctataatc
180ctaacacttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggtatcc
240tgggtaacaa agtgagacc atctctacaa aaaaaatcaa gaaattatct ggatgtggtg

300gcacatgggtc ccagctacac tggaggctga ggcgggagaa tcacttgagc ccaggaggtg
360gagtcctccag tgattcatgt ttgtgtratt gcactccagc ctgagcaaca cagttagacc
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432

<210> 2892<211> 434<212> DNA<213> Homo sapien

annncaattc ggcacgagga gagaactagt ctcgagagca gnnnnntttt tttttttttt
60tttttttttac aaaatgcccc ctggggccca agggggcaaaa atttaccttt gcttaggggt
120tttttttttt taaaaaacca accggtttta ataccctctc ttaccctctc ggaaccattg
180ggggggaaaaa aaccttttgg gaaaaaccca tttttcaaag gaagggttcc ccgggggggt
240tttaataaaaa atattgttgg gaaaaaaacc aaaaagccct ttgatttaaa aaagggataa
300agggaggggc cctgaaaaac ccccccttt tttattttt ttggggggg ataaaaccta
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc
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434

<210> 2893<211> 425<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctcgagagca gttttgttca tctcttctt ttgtccttta
60tctctctgcc actgttctca cctcactcta aaacctgggc aggaggggtt gaaacctatc
120agaactaaag gtaatatct catctcctc aggtttttt catttaaaaa aaaaatgggt
180atattagtta aattaaaata ctgttgttaa aattattgtc aaaggggaag ggaaatacat
240ctaggggaaa catcatgtct tttaggccct ttatgtcact gaatgactta aggtctgaca
300aatgatattc ttgaaagtt taatcttgag gttttcaaat cttttttttt aatggctccc
360atgtttctca ttgtctgatt gattcattag ttgtcttaa gaagatttcg cagttggaaa
420taatg

425

<210> 2894<211> 403<212> DNA<213> Homo sapien

ggcacgagac cattcttggc tcagcctcaa tteccattct tgcttcagcc ctatcatcaa
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120caactatccc agcctcagcc ccaactgcct cagtccact tgccccagcc tcagcttcag
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240agactcagcc acagaccac aaaccagtc agaattccact acagactaca tctcagctct
300caaaacaacc accaccatca attaggtgc cttcagctca aacacctaat ggcacagatt
360atgtagcctc aggaatatcc atccagacc cagagtcaca tgg

403

<210> 2895<211> 387<212> DNA<213> Homo sapien

ggcacgagag aggaagcagc ggcagggcga ggacctggcc catgtccagc acccgacagg
60cgctgggcct cagccccagg aggaagacag ccaggaggaa gaagaggagg atgaggaggc
120tgctcaagg tactatgttc ccagctacga ggaagtgtg aacacaaact actcagaagc
180aaggggagag gagcagaacc cgaggttgag catctctctc ccgtcctatg agtcactgac
240ggggctcgac gagaccaccc ccacatccac cagggctgac gtggaggcca gccctgggaa
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag
360gattaaatct gaaaagcttc acctcan

387

<210> 2896<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gctcgtaaatt gtcataaaat tttttaacat ttgcatcag gactcaataa
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120cttctatacc ttttattatc attataatta ttattactag gtcattcacc ctgttagattt
180tccacagtcg ggattttcct gattgtatca ccacggttg aggattctag aggttgaaac
240atattaacat tcaatagttg agggagatgc aaaaccactc tctaggtggg gacgttattc
300catcagggaag cacataatgt ccaattggct atttagtggg attagcagct acttatacat
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405

<210> 2897<211> 419<212> DNA<213> Homo sapien

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120ctcttcagaa aattgtttta aaaagttagc caggcatagt tagtggccca cgctgtagt
180ccgagctgtt tgggaggttg aggtgggaag attggttgag ccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc
300ataaataaag tgggggaagg ggtgcaaaat tacactgtga gaagccaaga agtttcaaag
360ttctatttat ttttctaagt cattcttaat cattatttg tgtttcagt tttgaattc
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

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120ttgtctcctt tgcagtcttt tttttttccc cccatttttt cctaatagga aaaaaaaaaa
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240ttggaggggg ggttttttta ccttgggggg cggggggggc cggtttctaa tttttaattt
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387

<210> 2899<211> 411<212> DNA<213> Homo sapien

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411

<210> 2900<211> 407<212> DNA<213> Homo sapien

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300atgagccctg gtctggctgg gtggtgctg ctcttgggt tgtgggtggg gactgaaggg
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407

<210> 2901<211> 401<212> DNA<213> Homo sapien

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300gtggtgcgca tgggtgatccg gcaccacgag gagcagcggc agaaagagga acgggcccgg
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401

<210> 2902<211> 375<212> DNA<213> Homo sapien

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120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcagtagc
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240tgagaagtcc aggccaatat taaatttcat tttgtcttt tatcagtggg aaagtagcat
300atttatgttg cacgacaaa atgaatcana taggaagaan atgtaaaaca catttggggc
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375

<210> 2903<211> 350<212> DNA<213> Homo sapien

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120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc
180aaaaagtatg tagggcttcc agtcaaggta aagaaacaga gaccacattt actgtcttcc
240ctataataga aaaaacccag aaaatttatg aatgactgt ttttttagac attggacaac
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

<210> 2904<211> 369<212> DNA<213> Homo sapien

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60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcattgagc
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369

<210> 2905<211> 372<212> DNA<213> Homo sapien

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120aaactcttgt gtgatattgt tttatttttg ttttttttgc tttatgtaaa acgtcaatgg
180tttgtgtgact ctttaattctt acaattattt tacatttgaa ccttgctctc agcccatat
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372

<210> 2906<211> 363<212> DNA<213> Homo sapien

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120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgctg tgtgtgtgtg tgtgtgtgta
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240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcatatacat
300ttaaaatttg acaaagagac aaagagatat ctttgcctta tctcagcctt ttaattcgca
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363

<210> 2907<211> 375<212> DNA<213> Homo sapien

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120ggctgggggt atgctgtttt atataagggt gatcaaggaa gggctctctg ataagagaat
180gtttaagcag agatggaatg aagtgagggc cagaatcttg ctcatatctg gggaaagcat
240ctctgggcac aggaagagcc agtgtaagg ccctgagcca ggaacatgct tggctcttgg
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375

<210> 2908<211> 374<212> DNA<213> Homo sapien

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120caccaccaca agaccaatca gaggcattcat ttctcccaa acttaagtc ttaactgctt
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt
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374

<210> 2909<211> 352<212> DNA<213> Homo sapien

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120aaaatcgggt aactctttgc tctaaggcac cgtataaact tgagttcaga cttcctgatt
180actcctgatt tctactggga cagagaaaac ctggaaggac tttacgataa aacgtgtcaa
240ttccttagca ttggcgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa
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352

<210> 2910<211> 340<212> DNA<213> Homo sapien

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60cttaaaaaag aagaagtttt taaatttgaa ataataatag gtactggatt tatgcaaatg
120ctttttctgc gtcttttgag atgagtatca ggtttttttt ttttcctttt atcatcggag
180gaggaactta aggttcccat ttgtattaag ggaaaactaa gcccctctgt gatttctgaa
240ccaagctatt cctagggcctg agttttattt tgttgacca aaaataaatt aaaaggccaa
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340

<210> 2911<211> 339<212> DNA<213> Homo sapien

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240ggaaactgat ctgccaggtc acatacctag taagggtattg ttctgggctg aagaaaaagg
300atgcatggag gggagtatct tgccaagggt cacgttatg

339

<210> 2912<211> 334<212> DNA<213> Homo sapien

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240ataatcaagt ggaaaatatt ggacagaaat gagtcacca caaaaagtat cattgaaact
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334

<210> 2913<211> 344<212> DNA<213> Homo sapien

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344

<210> 2914<211> 337<212> DNA<213> Homo sapien

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60gatcaaggca ttttggatgt actgctaagt gaatatggca ctgttttacg gtttatgtgg
120cttctgttct tgccacagtt gttgcacagt ggtaattgat gttttctctg gtgccacact
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240ttttaaatct acttttcttc cttatttggt ctacagaggt tgatggcgta aattttccta
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337

<210> 2915<211> 342<212> DNA<213> Homo sapien

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120atcgctctca gcgcctgggg agtgatcatg ttgtaatcca cccaccgcca cttcaagaag
180aaatgatatg aagaagtgcc ggttctccct cccctcttcc gcactgtccc gtgatgatga
240cgctccaga gaggacgata atctgggttc ctgggagaga tggcttggtc actattccca
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342

<210> 2916<211> 390<212> DNA<213> Homo sapien

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60ccagagattt agtcaaatat gatactggga gtttcagtga gaatgtttct aaatgagatt
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180gtgggtggcg cttcatccaa ccaggggaag gcctgaatag aacaaaaagg ctgagtaaga
240gagagtctct tctgctgac agcctttgag ctgagacact gctttttggg ctgagctgaa
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390

<210> 2917<211> 367<212> DNA<213> Homo sapien

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120ttcagtcctg aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg
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240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa
300aaaattatcc gggcatgttg gtacacgcct atagtccag ctgctcggga ggctgaggca
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367

<210> 2918<211> 412<212> DNA<213> Homo sapien

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120tcgggctctg cctcaccccc aaatccttcc ggtcccccaa ctggcagcc aaaatcgaaa
180actactctcg tctcagcgcc cccgctgttg attacctgcc attccgcacg ggcgcctgcy
240ccccggccgc tgcgcgcgac ttcggacggc atcccagagac tacccttctc aaggccgtat
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412

<210> 2919<211> 394<212> DNA<213> Homo sapien

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120cagttttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg
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240aaaatatgat ttagtcccag catgcttacc cctgttttct ctttttctct ccagctccta
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394

<210> 2920<211> 448<212> DNA<213> Homo sapien

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448

<210> 2921<211> 347<212> DNA<213> Homo sapien

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120cttttctcat ttcttaagta gttatgtggt ctccaggagg cagncactgc tctgtccgta
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240acttgggctt ttttgaaatg ctaagaggct tggatacctt ttttagatgt accaggaaaa
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347

<210> 2922<211> 402<212> DNA<213> Homo sapien

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300cgatggcaac ctgcgtccag aagccatcac tgctatcac gtgggcttct cctcttggc
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402

<210> 2923<211> 371<212> DNA<213> Homo sapien

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120gttccagtc tggcctcacc actttgagct gtgtgatctc gggcaacacc ctgaagctct
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371

<210> 2924<211> 350<212> DNA<213> Homo sapien

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240gatgagggag cctccctctg tgtcaggaga gccctggggg cccccacaca cagtgaggga
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350

<210> 2925<211> 347<212> DNA<213> Homo sapien

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120gattgttcag gaatatcttg ccttgaacac agaagcaggg agtctcatgg ttgtcctgag
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240aaagactgtg ctgagagaga acttgtggca gttatatgtc cttattgtga gaagaatttt
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347

<210> 2926<211> 345<212> DNA<213> Homo sapien

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120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
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240cggtgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg
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345

<210> 2927<211> 346<212> DNA<213> Homo sapien

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120tagccaactt ttgggagcgc ttctgtttgc aaagcgtgg ggatgtgcct gtctctgtgt
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240tcaaggctga tctttaaacc cctgccttg ctgacaagtg ctttaaaggc agtctgcac
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346

<210> 2928<211> 341<212> DNA<213> Homo sapien

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60ccttcagtag tctattttct tagaataaca actcttttat ctattctgaa ctctattttt
120tttctttttt aagagacaag gttttgtctt gttgcccagc ttggactcga actttcctgg
180gtcacaagca cctcctgcc tcagcccccc aagtagctgg gactaaagtc atgtgccacc
240acaccagct tactctgaac ttttatgaca gatgattgtt ttttgtttt aatgtagaaa
300tgagacaagg gtacaaattg gaactaaaaa ttgacattgt g

341

<210> 2929<211> 343<212> DNA<213> Homo sapien

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240aaggctgac tttaaaacc tcgccttgct gacaggtgct gtaaaaggcag gctgcatgtt
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343

<210> 2930<211> 342<212> DNA<213> Homo sapien

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60atttccaaga gtccagcaag ccagggggaa gatgatccct ttgccgaagt gtaccctcta
120gccaactttt gggagcgctt ctgtttgcaa agcgcgtggg atgtgcctgt ctctgtgtga
180cccacgaacg ggaaggagaga gcaactggagt aatgacactt ctgctgctgc tttgattctc
240aaggctgata tttaaaaccc tcgccttgct gacaggtgct ttaaaggcag tctgcatctt
300ttcttccctt ggtgtgggag aggtaaacac tttgatttgc tg
342

<210> 2931<211> 400<212> DNA<213> Homo sapien

cggtgctgtc ggcgtgtgag tgtgtgttcg cgctcgtagc tgtgtatgtg tgcgtggggg
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120gtttttctgg ggttacttag aatttgagag tccgcgagaa gcattaagaa gaacattact
180gataaaaaag gaggggtggg aagcccctac acttctcccc gagggatatcc ccgctgcagg
240cttctttata tgtttgattt cccagacctt cttgttttga ggcgtgatata aaattcaccc
300ttctatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gacgagacag
360cagtgagcag acgagaatgc ctgctctcct ggagccacaa
400

<210> 2932<211> 417<212> DNA<213> Homo sapien

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120agactccatc tctaaaaaaa aataaaaaata aaaataaata aaaaatacaa ctaatggaaa
180gggcaagaaa aaaaaagaaa aaaaattaaa agtgattcgg agcagtattc ctgcaaaaag
240ctcccgccgc atgtatatct acagaaaata tgtacatgca gcaggcccaa aggccaccaa
300agggcaaagg gcttctgtaa cagttcaagc ctctggctga cccagggact ggctgcttca
360cacttgcccc catggctcca aaggggtagg agacagggtc cctcacaccg gaggcaa
417

<210> 2933<211> 404<212> DNA<213> Homo sapien

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60tgtagactgg cttagatgaa atttgatcaa tttatttagt tgetcttctg cgtttgctaa
120aagtgcagtg gtgggtggca tcacacagtg gtcggagtca gaactggctt ttgataccag
180tagttgacct ttgacaagta tttagtcttt ttaattgtag ttacctactt ggaaattaag
240gagaaaataa caataacctt tttcatagca ttgttgggta gattaaatga aataagtaag
300atgcctaata tgatacttag cacagagtga acacttggta aatagttatt gttagctaaa
360aggcgtagtt tccttgatgc ccaaatggaa gattccattt cagn
404

<210> 2934<211> 389<212> DNA<213> Homo sapien

cggtgctgtc gttcaaacct tccaacggaa cttgttttgc ttttgatttg gtttaaacct
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120gcccgtggc gaaggaaatg gtcacacccc ccgcccacc caggcgagga tctgtgtgac
180atgctctctt ccttggctcc ggggagaagg gcttgggggt acctgaaggg aaccatctgt
240gtgcccaca tctctctctc cgggacagtc accgaaaaca cagggttcaa agtctacctg
300gtgcttgaga gccacgggcc cttcctccgt ttttaagggg aagcaacatt tggaggggat
360ggatgggctg gtcagctggt ctccttttc
389

<210> 2935<211> 399<212> DNA<213> Homo sapien

cggtgctgtc gttccccag gggcccctga gttcagtcct gtcgctctcc agcagacgcc
60ggttccccgg ggggtggagg ctcacctgag ttcagtcctg tctgtctcca gcagacgccg
120gtctccctggg ggcgggaggc tccgggcctc ccagaggtg tttccattct gctcccattg
180ggcctcttca ttttgcgtt gtccctctct catatacact ctctttcatt tttaaaccat
240aattactgta gacaaattta aaatacaaaa atgttaaaaa gcagcaagaa caatcttaat
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360cccgtttcat tgaggcctca acctctgggg ttcaagcag
399

<210> 2936<211> 403<212> DNA<213> Homo sapien

ggcacgagag cgaccggtta tctctttttt cccccttgcc tggctcctgt ggtggcaggc
60tgggcacgag gaccatgctg ggccggagcc tccgagaagt ttctgcggca ctgaaacaag
120gccaattac accaacagag ctctgtcaaa aatgtctctc tcttatcaag aagaccaagt
180ttctaaatgc ctacattact gtgtcagaag aggtggcctt aaaacaagct gaagaatcag

240aaaagagata taagaatgga cagtcacttg gggatttaga tggaaattcct attgcagtaa
300aagacaattt cagcacttct ggcattgaga caacatgtgc atcaaatatg ctgaaagggt
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403

<210> 2937<211> 379<212> DNA<213> Homo sapien

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120tgagaccttg tctctaagta aataaatgtt ctgagatttt tttctatat tccaatggat
180catcttatgc atccccagag gtgcatacac aactctttc aagaccaatg atctatataa
240attatacgat ctctttatta ttataagaga agggctcac tatgttgcc aggctggatt
300caaactccta ggcttaagtg atcctcctgc ctcagcttc caagtagctg ggactacagg
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379

<210> 2938<211> 388<212> DNA<213> Homo sapien

ggcacgagga aacaaaaaca aattggcctc tgggttgac aaaggtgggg gagggccagag
60gagctctgca aaagctttga aaactaaatt gatcttagaa ccagagccct gctggccaca
120gaaagtgc at cctgaateta aacaggttga gtgcctgcta atacagaata ttaaacagg
180aactacagtc tcataacata aactcaaaag tgtccaggat aaaattaaaa cttactcctc
240atactaagaa ccagaaaaat tcgaatccag aaaaattact cctcatacta aaaaccagaa
300aaaatctgaa tgaggaaaga caattaacac taagatgaca aaaatgttgg aattattgca
360tagggatttt agatgagcta tcttatan

388

<210> 2939<211> 374<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaactggg aaattccatg ggtctatgcc acattgctcc
60cagagtaatg aggcataata gtgctctgtt atagaattgc ttgtttcaca atacatcatg
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc acaatatgta
180atgctcgtct tccagggggg ttcagtctaa ggtaatctct accaggaaga aaagctagat
240gaccttagac atgtgcattg gtttggacct tctaattagt tgaattttta cttattttga
300catgagagat tacatagaat ctctatgttg cccaggttgg tctccaaatc tgctcaaaca
360atcctcccg ctc

374

<210> 2940<211> 378<212> DNA<213> Homo sapien

ggcacgagga ccacacaggc cgaatccggg tgcattggtat tggcgggggc cacaagcaac
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120aggagaagg taccgaagtc cgctatgac cctgtaggtc agcagacata gctctggtg
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240tcttgaactc taaccacata ggccgaatgg cagttgctgc tcgggaaggg gatgcgcac
300ctcttggggc tctgcctgtg gggacctca tcaacaacgt ggaaagttag ccaggccggg
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378

<210> 2941<211> 387<212> DNA<213> Homo sapien

ggcacgaggc atcaactatg gtggacatgt tacagatgac tgggaccggc gcctgctgac
60cacctacatc aatgattatt tctgtgacca gtctctatca actcccttcc accggttgtc
120agcactggag acttatttca tcccaagga tggcagcctc gcttcttaca aggaatacat
180cagcttattg cctggcatgg acccccttga ggcttttggc cagcacccca atgctgatgt
240ggcctctcag atcactgagg cacaaccct ctttgatact ttgctttcct tgcaacctca
300gattacacc accagggctg gaggccagac ccgggaagag aaggtccttg agttggccgc
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387

<210> 2942<211> 465<212> DNA<213> Homo sapien

cggtgtgtgc gggcatggtg gcagggtgtc gttatcccag ttaggaggct gaggcaagag
60aatctcttga acctgagagg cggaggttgc agtgagccaa gatcgcgcca ttgcactcca
120gcctggggga caagagttag acttagcttc aaaaaaaaaa aagaaaaaaa aattcgggga
180tttggcfaat atcccatttt tttgttaacc ccaaggccct taaaaataac ccggaactta
240agggactggg aattttgggt taaaggggcc ctccggggaa ggggggggaa cactgacttt
300ttgacctct ttgaaaagat aaaaggaccg gggccctggg gggaaaccct tgtgaaaagg

360ctcgggaatt cagaatggcc taaaaaacct cccccacac cggcaaaaaa naaaaaaaaa
420aaaaaaaaa aaaaaaaaaa annnaaaaaa aaggggcgtt gttgc

465

<210> 2943<211> 442<212> DNA<213> Homo sapien

caccggcttg ctcgtttggc cgatgcggcc tacgggtgtg agaatacgac agaaggggga
60cacaaatggt aaaatttagc aagacattaa gatagcttta tgactgtatt ctagatgttt
120taataagtca aatagagcca tagaagaaat ttaaaagact caaactaatt cctagagatg
180gaaactacaa tgtctgctgt gaaaaatata ctggatggga ctagtggtag attcgccatg
240ataggagaag tagattagtg aacttcacga cacagcaata aaaacatcat gatggagcag
300aaaaaaaaatc caaacctttg aaaagagctt cattgagctg tgggacaatg tcaactagca
360taaaaaaaat tttgagaaat aatagctaga aatatctgaa ttgatgaaac tataaaaccg
420agatcaaagn gtgaaacaag cg

442

<210> 2944<211> 468<212> DNA<213> Homo sapien

ccttaaggcc ctggcccccg ctgcgtccgc atcactctgc atcagcactg ccggcccagt
60gacaccgagt tccaccccat cggcttccat atcttccagg tcccagaggg tggaaggagc
120caggacgcac cccactgct gctgcaggag ccgctgctga gctgcgtgcc acatcgctac
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240acctacctgc cggacacaga gggggccttc acagtgacca tgcgaaccag gattgacagg
300ccatccattc acagccagga gatgctgggc cagttcctcc aagaggtctc cgtcatggca
360gtgatgaaaa cctaacaggg tggccccctg tgccagctca ngtgactgga gcccagagggc
420ctgacaggtt cccagcagct gggccggcca gccttgact gtgggggt

468

<210> 2945<211> 406<212> DNA<213> Homo sapien

ggcacgagaa gttgggggca ggggaggcgg ttcataagg cgggctctac atgacttaac
60ccttgcttgg catggcctta agccctgttt acaatttgg atcttattgc cacagtgtct
120gttctgtcca tctcatgac cctattttgt tcattcatgc tcggcagctg cgtctaaacc
180ataaagggat ggggtataac aagttgcac tgacctcca acccatcac gccaggaatt
240gttttaagtt ttttctgaga ttccctcggc cagaggtgg catctgctca atcgttgggg
300ttttatgatt tttagcttac ataactgatt tgataatcca gggcatttgt taccgcgtat
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406

<210> 2946<211> 407<212> DNA<213> Homo sapien

tttccagggg gaaaacattc tgcttttagg tagtttcaaa attcagggga gggagcctga
60aatttttgcc atgattgggt tggtagaaag agcaggcatc agactacttc tgataaaatt
120gtttggaagg tcacgacctc gcaaaaactt ttcaagagca acaaggaaga attctgctgt
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240gcagcttcaa acggtgacct gtggcctggg ccattctctc gtcattgtgt tcaactttcc
300ctgtttccct gtgaactggc ttccatgggt ctgtagggtg gtgaagtcgg gttgtggctg
360cagcagagca agagatgctt gcccagtggt gagcaacca ccccgct

407

<210> 2947<211> 380<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc
60cagagtaatg aggcaaaata gtgctctgtt atagaattgc ttgtttcaca atacatcatg
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc agaataatgta
180atgctcgtct tcgaaggggg ttccgtctaa ggtaattctc accaggaaga aatgctagat
240gacttttagc atgtgcattg gtttggacct tctaattagt tgaattttta cttattttga
300catgagagat tacatagaat ctctatgttg cccagggttg tctccaaatc tgctcaaaca
360atcctcccg ctcagtttct

380

<210> 2948<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa cacatttttg atcatgcata ttttgatttt
60taaatattat tggttagaaa ttgaacaaa gtcaccata cattttctaa cttccagaac
120tctacttatt atatatcttt tgctttatag cctgaaataa ctctatagcg aagtaattta
180caagaaatgg tctattatga aaagcaggct ttaaagcata aaaatttttt ttataggaaa
240tatgcatgat tataaaacaa cctgattttt attttattgt tcataaaaga gactaatatt

300gggtgcatgtg ctgctgtaat ttgttgtgta ttatgtgtgt aggaaaactg cccagcttgt
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374

<210> 2949<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ttgctgtgcg tggggcacgg acggacagcg aggtatagag agtggagaga
60agggccgcagc ccagctgggc ttccaggtgg gagctcagcc tccccatctc tgccgtggaa
120gggactcaga ggtgtcaggc caagcatgca ggcaggcttg tgacaaactc cttggccagg
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240ctgtgtgaca gctcaggcca gggggtcggg actccccca tctcctccgc acacacatac
300ccctgcacac ataccagcc acgtacagct ggggtggtgt acgcaagtca tttttctact
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407

<210> 2950<211> 387<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt ttgagagtga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gtgtgggagc cctctcctct tgtgtgctct ccccccccc cgctctctca ctcttatgtg
180gggggggagc cgctctctct tttttttgtg ggggtgtgtg gcgctctccc acacggggct
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300tgtgcgccc ctgtccctag gcagagagag agtctctctg tgtgcgagcg ctcttttgtg
360tgtgcatatg tttctctctc cctctc

387

<210> 2951<211> 400<212> DNA<213> Homo sapien

ggcacgagac actaagatgg ctgcccgttg catgacaccc aaccctgtgc agacccttca
60ggaggaggcg gtgtgcgcca tctgacctga ttacttcacg gaccccggtg ccatcggtg
120cgggcacaac ttctgatgca gatttttagct gagggatttg gaagccattt ggggaggcag
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240aaactttctc tccgtctcct atttctacct ccatagaccg gccagaattt agcttcactt
300gagagagatc tgggaatggc gccatgattg aaaccacgca ccattacatc atcattacat
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400

<210> 2952<211> 395<212> DNA<213> Homo sapien

ctttaagatc atcttgggaa tttccttcac tttttctttt gggagacctc ttatttctgg
60atcccaggtc ttcacatttc ttggtttact tctttattg gtggactaca tctccacat
120gggaggtaaa ttgttgaaac cttgcatgac tgaaaacttt attttaatct caccctcaag
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240cacattctcc attgcctcat agttttggcg taaatgttga gaaatacaat gccactttta
300atttctgatg ctttgcattg gatctatttt tctctcaagt agcttttata atctccttat
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395

<210> 2953<211> 418<212> DNA<213> Homo sapien

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatga
60attggcaaaa ttcaaagagc tgattcttca acaataaat tacttaaaaa cggatggaca
120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac
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240tgcagtcagc ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg
300cagttagcca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca
360aaatataaat gaaaaactaa aagttattct atgagtggcg gaaagaacag attacaca

418

<210> 2954<211> 394<212> DNA<213> Homo sapien

cgttgtgtgc gagctcagga ggctgaggtt gcagtgaccc gtgatgcac cactgcactc
60caacctgggt gacagagcca ctgcaaagca ctctgtttag tcatggtttc ttttatgtat
120cttttcatgt attgacctta aaaaagaatg ttctgaata tgcctttaat ctgacaaacc
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240ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta
300acttttaata taacttttaa aaatatgttt ttaaggccag atatgggtggc tcacgcctgt
360aatcccagca ctttngaggg ccaaggtggg agga

394

<210> 2955<211> 407<212> DNA<213> Homo sapien

ggcacgagca gctactcggg aggctgagac aagagaatca cttgaaccca gaaggcagag
60attgcagtga gctgagatca tgccactgca ctccagcctg ggtgacagag tgagactcca
120tctcaaaaaa ataaaatatt gtggtattgg cacaggagtg gacaactagg tcaatctagg
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggg
240ggatgttcac tgaatattgg agaaaactga actcccccat acaaaagaaa acagatttcc
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta
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407

<210> 2956<211> 412<212> DNA<213> Homo sapien

cgttgtgtgc gggcaggccc ctgtaatccc agctaattgg gaggtgaag caggagaatt
60gctcaaacct gggaggcgaa gattgcagtg agctgaaatc acaccactac actccagcca
120aagcaacaag agcaaaaact tctgtcctaaa aacaaaacaa aaaaagagta ttcattgtga
180ggacaaacaa tacaaatagc aagaggggtg tagtaccttt acttgtatca cagatacttt
240tgtaccatt ttgcactaga ggaaaccat gaagcagttg ctcaaatgtt gttcaacacc
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtgaaa acatttttta
360aaaaactaca gcttagaaaa taccagaggc ctcatactaa aatatatttt gg

412

<210> 2957<211> 407<212> DNA<213> Homo sapien

ccgtgacctg cctgggcgcg ggaactgaa agccggaagg ggcaagacgg gttcagttcg
60tcatggggct gtttgaaaag acccaggaga agccgccc aaagaactggc aatgagtggt
120cattgaagat aagaaaaggaa atgagagttg ttgacaggca aataagggga tccattggag
180tctttggctg aatactaagc tgtgcatgct tagagtga aa tttcaagaga ctgggcaaag
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaa
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407

<210> 2958<211> 328<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct ctgcattaaa caggagcttt tctaatatgg
60ctggaaactg ttgggggtgg attagagatt ttaaggatc ttatggcaag ctttggctgg
120tagagtacaa gaactctagt gtgtctttta ttgggggttt ggggggtgctg ggaactatga
180cattacaaag agccactaat tgtaactga aggaaaaaat actggtcaat gaagggaaac
240ttaactataa aatcaactta gtagaataa accattaagt ggtactaata tgggcaggca
300cagtggctca cagctgtaat tccagcac

328

<210> 2959<211> 344<212> DNA<213> Homo sapien

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60tctgacttag taaaaccatg ctgtagaatt tttgtcttaa aaagaccaca taccagcac
120ccatgaaata aaagattcat ctgtaatgg gattcaaat gattaaatc ctttgttcat
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240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttgga
300aaaaaatttt ttttttcccc ccgggggggg aaaggggggt tttt

344

<210> 2960<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa cttaacaaca ggactagcag agacttagct
60gaacagtgtg taaaggtatt agaactgata tgtactcgtg agtcaggagc agtctttgag
120gctggtggtt tgaattgtgt gcttaccttc attcgtgaca gtggacatct agttcataaa
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240gattcttctt tagaaatttg tgtagaatct ctgtctagtt tattaagca tgaagatcat
300caggtttcag atggagctct gcgatgcttt gcatcactgg

340

<210> 2961<211> 388<212> DNA<213> Homo sapien

ggcacgaggt ttcaaacctc tgggctcaag cagtctctct gctcagcct cccaaattgc
60tgggggttaca ggcttgagcc actgtaccca gccatcaat aatttttgcc tgaacaatt
120tttattgcga tctttgtgtt gagagctctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta ttgggcctt ttctcaggg
240tgtttacaca gctggaatc ttcagagaca agttaatgtt tctcttggg caaagagcag
300gcttgccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct
360ataatcccag cactttgatt tttttttt

388

<210> 2962<211> 403<212> DNA<213> Homo sapien

ggcacgagag aggagctcag agaggaacgg agaggcagac agagggaaac aacgcagaaa
60gaaacagagc caaagccaga gtgtgggggg agccggagga agaaacaaa acacacacat
120gtggagtcgg aacgacacag gcagagaggg acagagtcgc agcaatccag acagaaagag
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctccccaaac
240accttgcccc actggtcctg gctggcggca ggggactcac agggccttga cctatgcccc
300gtaggggaag agacaggact tttctcaga ggccttcaat gagacccat tccccaaaag
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403

<210> 2963<211> 393<212> DNA<213> Homo sapien

tccagatgca gctgcagccg cgcaggcagg agccaggagc aagtgggagc cctgcctctt
60ccaagtggc ggggtgggag ctcccagggtg cagctgtggc tgcccccca ggcacaggac
120gagggcatct ctgcagcctg caccatcggc catcccagga aggacagccc ccttcaccct
180ccatccctgc aggttcagggt gtgtctgctt cactgcctg gcctctctcc actccagcaa
240ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag
300gaaagggggg gggnnccan naaggcccc cctcangcc agggagggcc tgaattctgg
360gggctgggct gccagtcct ctgaccagag agg

393

<210> 2964<211> 423<212> DNA<213> Homo sapien

ggcacgaggt tcaataagg tgtaattgaa aagtgtcct ctcttcagag atgtcaaaaa
60caaacaatc caagtctgga tctcgctctt ctcgctcaag atctgcatca agatctcgtt
120ctcgcttcat ttcgaagtct cggccccga gccgatctct ttctcgttca aggaagcgca
180ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaacc
240acccaagagt atatcagaat cgggatttcc gaggtcacia cagaggctat agaaggccct
300attatttccg tgggcgtaac agaggctttt atccatgggg ccaatataac cgaggaggct
360atggaaacta tcgctcanat tggcagaatt accggcaagc atacagtcct cgtcgaggcc
420gtc

423

<210> 2965<211> 385<212> DNA<213> Homo sapien

cggtgctgtc ggtttattgt aacagtaatt aaatgctgcc ttaattgaag gggtttgggt
60ggattttttt ttctcaaaat aagctgtagg gactatttta acagcttaaa caggagctct
120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttcctat ctaaatgggt
180gggccatttg attgtagagg gtccaccaca gaattatggg atgccttaag tgctgttact
240aggttgctca cagcctaacc tggcgtgttg tttagggctg atggagaccc atgtgagcct
300ttgctttcct ctggccccag cccaccctg aacacagctc atacgcagaa tcaggaccag
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385

<210> 2966<211> 376<212> DNA<213> Homo sapien

cggtgctgtc gtggggacag atttgatgag cttgattcac ccttgaagta atgtagacag
60aagttctcaa atttgcatat tacatcaact ggaaccagca gtgaatctta atgttcactt
120aaatcagaac ttgcataaga aagagaatgg gagtctggtt aaataaagat gactatatca
180gagacttgaa aaggatcatt ctctgttttc tgatagtgt tatggccatt ttagtgggca
240cagatcagga tttttacagt ttacttgagg tgtccaaaac tccaagcagt agagaaataa
300gacaagcttt caagaaattg gcattgaagt tacatcctga taaaaaccog aataaccocaa
360atgcacatgg cgattg

376

<210> 2967<211> 384<212> DNA<213> Homo sapien

gaaggaatga agattgacct catcgatggc aaaggcaggg gtgtgattgc caccaagcag
60ttctcccggg gtgactttgt ggtggaatac cacggggacc tcacgagat caccgacgcc
120aagaaacggg aggtctctgt cgcacaggac ccttcacgg gctgctacat gtactatttt
180cagtatctga gcaaaaccta ctgcgtggat gcaactagag agacaaatcg cctaggaaga

240ctgatcaatc acagcaaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta
300cctcacctca tcttcacgc ctcccagac atcgcggtg gggaggagct cctgtatgac
360tatggggacc gcagcaaggc ttcc

384

<210> 2968<211> 225<212> DNA<213> Homo sapien

tcacactgcc ttccaccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca
60ggggaggaga gagagtgatg cagagctggt gcagaagggc agcgagctgg tggctctgcg
120ggtggcgctg cgggagggcc gtgtacgct gcgggtcagt gaggggcgtg cgcggggtct
180acaggaggcc gcccagactc gggagctgga gctggaagcc tgttc

225

<210> 2969<211> 413<212> DNA<213> Homo sapien

ggtgctggcg attctgtgtt attaattata ttcatactat tgtgcaacca ccggcaccat
60ccgtctacag aactcttgat cttcccaaac tgaaattatg tattcattaa acaataacca
120cccattacct cctctctcct cagcctttgg taaccagcat tcagtctcta tgaattgact
180actctggata tctaaaagga atcattctta ttcatctac cataaagact tcaaagttca
240ttcatgttg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat
300gtaaataccg tagtttgtgt atcaggtcat ccattactgg acactgggtt gcttctgctt
360tatggtatt gtgaataatg cttctgagaa cgtgggtata cagataactg cat

413

<210> 2970<211> 405<212> DNA<213> Homo sapien

cggtgctgtc ggcttggcg acagagcaag actctgtctc aaaaaaaaaa aaaaaaagg
60taaaaattta cccggggggg gggagggccc cctgtatttc cacttctca ggagggggg
120gcagaagaat cttttgacct caaaattcaa aaatggcaag gacttataat attgttattg
180ccctccacct taggcaacaa aggaaacct tgtttttaa aaaaaaaaaa taagccaggc
240ttataatagg ttatcccaa gggagtaagg aggttttata gggccaaacc cttcttataa
300aaaagaaatt agccaactta tggttgttta agggtaatag gaaaggctta tatggagaac
360ctttattctt aaaaaaagg gaaattttt ttcggtacct catgt

405

<210> 2971<211> 381<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaagg ccattccacta atagattggt cagcaaaca
60ccaagctgt gagccaaagt cagccacta tgaggccaac tctgtttgca cccattcttt
120atagcttttg cactacagt gcaaagttaa gtatttgca cagagactgt ataacctgta
180aagccaaaaa cctcactgtc tggactttta tagttccaga ctctcacact agttgaatac
240tttgaaaatc ttcaggttct ttctgggaag ttgtgtaaga ctatctctaa gcagtattag
300ataattggaa tcttaccatt tagcacact tcatcaaaa agtgacaggt aatggttggg
360atcagaacag aacaacataa n

381

<210> 2972<211> 437<212> DNA<213> Homo sapien

aggatccctc gattcaattc ggcacgagga cagagccgac tccatctttt agaaaaata
60aaaatattaa gaggttctgc tgccaaatgt ggttctgtg ggtcgggtgt gggttctgtg
120ggtcgggtgt ggttctgca aaccaggtgc ggattctgtg taggttctgc agggccaggg
180taaaggctca cacctgtaat ccagactt tgagacgctg aggggggagg atcacttgag
240cccaggagtt caaaaccagc ctgggcaata tagggagacc gtatcactac aaaaaagttt
300tttttagttca ccgagcatgg gggcacatgc ctgtagtccc acctactcga gaagctgaaa
360tagggtcacc tgaccctggt aggtgaggc tgcagtgagc caaaatcgca ctactgcact
420ccagcctggg tgacaan

437

<210> 2973<211> 399<212> DNA<213> Homo sapien

ggcagagat tacatttccc agtacttctt gtccctctt cctgctttct cttttttttt
60ttttttggaa ttaaaaacgg agtttggtt tgcccccggg tggggggcca ggggaaaaat
120tttgcttaat tgaaccccca cttgggggg ttaagaatt ttgctgctt aacctccgg
180agaaatggga ataaagggc cttgcccc cccaacctt tttttggtt ttaagaaaa
240aaggggggtt aacctggtg gccgggtgt tccaaactt tggccctggg gggatcccc
300ccctgagcc ccaaaaaagg tgggaataac gggggggacc aaccatgcca aaaattgggt
360ttaatttttt taaacctttt aaccaacctt accaaaaat

399

<210> 2974<211> 346<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc cttcatgttg gcagttccag aagtgggggt
60gagggagaga gagaatactt gaggaataa tggctgaaga cttcctaaat ttgatgaaag
120acctgaatat atgcatccaa gtagctcaac aaattccaag taagatgaac tcaaagagac
180cacacagata ccaacatttc acaagccaaa gccagagaat ttgaaagca tcaagggaga
240agcaacttgc tacatacaa ggatcctcag taacaggtcc ccaagccctg ggccacagac
300tggttaacagt ctgttatgtt ccagaccaca cagcaagagg tgagtg
346

<210> 2975<211> 341<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt
60tcacagcag cgcactcacg gagtggctga aagagcaaaa acaacaaca gtcttcaagc
120cagcagtcac catcttcttc ctctcttctt tctttatcat cgtgttcttc atcatcaact
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240gttgattgga cttacgatcc aaatgaacct cgatactgca ttgtaatca ggtatcttat
300ggtgagatgg tgggatgtga taaccaagat tgccttatag a
341

<210> 2976<211> 427<212> DNA<213> Homo sapien

ggcacgagcc ggccccact gagccactc cggcctctga agccaccgga gccctacgc
60ccccaccagc acccccatcg cctctgcac ctctctctgt ggtccccaag gaggagaagg
120aggaggagac cgcagcagcg cccccagtgg aggaggggga ggagcacaag cccccgcgg
180ctgaggagct ggcagtggac acaggggaagg ccgaggagcc cgtcaagagc gagtgcacgg
240aggaagccga ggaggggccc gccaaaggca aggacgcgta ggccgctgag gccacggccg
300agggggcgct caaggcagag aaaaaggagg gcggggagcg cagggccacc actgccaaga
360gctcgggcgc cccccaggac agcgactcca gtgctacctg cagtgcagac gaggtggatg
420aggccga
427

<210> 2977<211> 427<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagttt tagtgataga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gcccccttc tctctctttt ttttggggcg ctctcttttt
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300tctccccccc cccccctctc tctctttttg ttttgtgaga gtgtgtgtct cctcccaca
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420acagct
427

<210> 2978<211> 339<212> DNA<213> Homo sapien

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60aataacaagc tgtatatatt tcaaagggtt tttaaacttt ggacactctt tcttttgta
120accacttaaa ggaataaaag agctggaaaa aaaattggac cttcaactca ggttggtcca
180tataacaaac gtattctttg ctgttacgta agattttcga ttcacagagt ccatccatgt
240acatcactta cacttaaaatt gccaaaataa ttagtctgac catctgactt taaaagactg
300ttgctacaca tacatcatgt ttaggagaat gtgggatat
339

<210> 2979<211> 394<212> DNA<213> Homo sapien

cggttgctgc ggtagcatth gatcagctth gccacagatg aaaagcagaa ctggacatgg
60aagagaagtg aagtaaggac aagctggaat ctataggcat ctctgcatct atctttcact
120gcatctagcc atgacaaact tcatagtata atgactacag ctttatctcc aacttttttt
180tttttttaag aagaaacttc ccggacgaga tcccagaggg gtatttttagc atcctagaga
240cctcctccta gaggggtcaag gaagatacct gcctcaagtt ctgggagaag aggaaataca
300gggcatgggc cactatacac gggaagtttt tttttttaa aacaaaaaag gctttgacca
360cttagaaaa gctgagtttc gacacatccg ctgc
394

<210> 2980<211> 399<212> DNA<213> Homo sapien

ggcacgagca tgttcaggcc ccgaacattt ccggtgctga ctggcctta aacgtttgtg
60ccataatgga aaatatctat ctatctgttc tcaaatcctg tttttctcat agtgtaaact

120cacatttgat gtgtttttat gaaggaaagt aaccaagaaa cctctaggaa ttagtgaaaa
180aagaactttt ttgaggtgtg ttactatact gctgtaagtt atttattata taaagtattg
240taaatagaat agtgttgaag atatgaaata tggctatttt taatggtgac aattatgact
300tttagtcact attaaattgg gggtacctat atcagtacaa tttgtagttg tttccaggtt
360tggctaataa tcattcctta acctagaatt cagatgatg
399

<210> 2981<211> 399<212> DNA<213> Homo sapien

tatagtggaa acagtatttc tagatgtag atttagcaga caaagacttc aaagcagcta
60ttgtaaatca gtttaaagca gcaaagtaag ctaagaatga aaataaagtg tgacaaatag
120agatgttcaa aaaggagata gaaatgattt taaaaataac aaaatgaaaa ttctgagatt
180gagaatata gtaactgatg tgaaaaattt actagaggggt cttaccagag gtttgacatg
240acagaagaaa gaagcagtgga atttcaaagg tagatgatct aatctgaaga tcagagagga
300aagattaaag agaaatcagt agagccacag agatctgtgg gtcagcatca agtttaccta
360tgtatgtgtg atgggaatct cagaatgaat agagaaagc
399

<210> 2982<211> 397<212> DNA<213> Homo sapien

ggcagcaggt tttgcttcag ctagaatata caatgcagat gtcattaaaa gacttacttt
60aaaaatgttaa aaaaaaaaaa aaaaaaaaaa aaccctcgcc ccttaaaaaat .tttggggggg
120ggtttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa cccccaataa
180aagggcgggg aaaaaagggt ttttttgga aaattgggaa ggctttggtt tttttgaac
240cctttatagg cggaaaaaaa aaggtaacaa ccacaagggg cttttttttt tttttcaggg
300ttaggggggg gggggggggg gttttccna acaccaatat acaggggtata cctctaacta
360cagcttgcac aatgggctta aattgccatg gggaaag
397

<210> 2983<211> 372<212> DNA<213> Homo sapien

tactgttgtt agaagacgac agaaggggtct acaagcacat gctgcctgag ggcttggaga
60ctggcctgtt catcccattg cagcaaccca atatgaaagc aaactgctca ggaaccagag
120ggttgtcccc ccattgtcac tgctattgcc catgccacac tagctgcccc gaggcctaag
180aacctgcccc cttgctggaa ccaaggcttc aacacctggg taagtcacct ggaggcccaa
240gtattggccc acctagacgt gccaacatca gtggtagggt tgggtgtgctt gttcctgggc
300cccaataact gaactatttg gtatccaaat ccccataaaa actccagcac aacctccact
360aataactaca cc
372

<210> 2984<211> 410<212> DNA<213> Homo sapien

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120gcctgcggcc cactggcttg cctcactgta gttggtggtg gcagtgcag agactgcagc
180atgaccagag tggtaggaca ggggctatcc agggctgcac ctttcgcagt gtggggtggg
240ttgggggcac tatccagggt gtcattgcct gcattagggg tactggttgg tagcactgca
300cagggtgca ctgcccacag cagggagggt ggggttatgg tgctttctgg ggctgcaatg
360cccatggagg aggacagggt agggcatatc ggggtatatgc tactggcgga
410

<210> 2985<211> 407<212> DNA<213> Homo sapien

ggcacgaggc ctggcccagt tactcagttt tgaatctgag gccgtgacat cactcatggt
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120ggcaaccctt ggtgttttcc ccttaaggct acccaggctg gaatgcagt gtgtggtcat
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240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgcttttgt gtttttaaa
300cttgaatga tcagtaggct gaggtgggca aatcataagg tcaagagttt ttttagatggg
360gtgagcacag accaatcctt gttttattta ctgatttaaa attttga
407

<210> 2986<211> 453<212> DNA<213> Homo sapien

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120ttgaactcct ggagtatcct tttgcctcag cctcccaggt agctgggact gcagggtgat
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240gaatgtaa at tgttggttg aatgtacgtt ggcacaactt ggggaaagt tggcaatgta
300tatcaaaagc attaaaattg tgtatatctt gtggcctggc aatactcctt ttatgaattt
360attataaaaa aaagtacatt tatttaaaaa cttagctggc tgggtgtggt ggctcattcc
420tgtaatccca gcactttggg aggctgaggt ggg

453

<210> 2987<211> 407<212> DNA<213> Homo sapien

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60attggggaat tgatttcaca gttcgttacc ttagtaggga acggttaagg tattcttttt
120tttttttttt ttgggattaa aaacctgggg gcctaaattt aacaaaaag gggccaaaag
180gtggaatgaa actaactttt gggcaaaatt aaaccatccc cccaaagggc gaaaataatc
240caccgcccc cccggttttt tgggtgggtta aatttggttt agattaaaaa caggcttttg
300ccccccagcc gggagggcag ggggtaatt agaacctttt cccccggga tgaaagcaat
360atcctgcctt cccccccca gaaatctaaa ataacgggcc cccccct

407

<210> 2988<211> 339<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta agctattaag tgcattgttc cctcaggccc
60tctggtccat tctggacaaa tgttgaaaga tgggttggtat tggcacgga cgctgtgcca
120aaagcacccc cttttttttt tttttttttt ttttaaaaag ggaattttgt ttttgtgccc
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240aatttttccg gccttgcctt ccaagggggg gggaataaag gggccttgcc cctcccccg
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339

<210> 2989<211> 399<212> DNA<213> Homo sapien

ggcacgaggg aagatgagct cgccaagaag cggcgggcct tcctcctgaa gcagcagcg
60aaggccgagg agggccgcgt gcgaagcag cagctggaag cggaggtgga gctcaagcgt
120acgaagccc ggcgcaaagc tgaggaagac cgggtgaggga aggaggagga gaaggcgcgg
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240gggctcggca agcccaagtc aaagccgaag aagccgcggc cgaagtcggt gcaccgggaa
300gagtcgtgca gcgactccgg caccaagtgc tcctccacc ctgataactt gagccggact
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399

<210> 2990<211> 326<212> DNA<213> Homo sapien

tctacgctg cgagaagacg acagaaggga tggtaaaatg ataataacg aatactataa
60tcaaccctat gtccacaatt tgataactgc aatgaaccaa tcctttgaaa gacacaattt
120gtcaaaactc acataagaaa tagaccatct gagggggcct aaacctttta agaattgaa
180ttaataatgt taaccttcca aaacagaaag cagggaacca gatgggttca ctagtgaatt
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag
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326

<210> 2991<211> 380<212> DNA<213> Homo sapien

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120gggactatag gcgcccgcga tcacacctgg cttttttttt tttttttttt ggaaaaaacg
180gggttcccc atgtaaccca ggagggccta aatctccgga cctaaggacc cggccccctg
240ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggctg ggaagcacac
300agttttaccc ttgttacccc ccttggggga aaagggtttc ggcacggggg ttcttttaaa
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380

<210> 2992<211> 378<212> DNA<213> Homo sapien

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120ccactgaaaa taaatcactc caacaatgca atagtaaac cccctgagat gacacctcag
180gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc
240tcagcagcta ttgaaccaga gtctggaaag agcaatgaaa gaaaaggcgg ncgatctcgt
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378

<210> 2993<211> 450<212> DNA<213> Homo sapien

accctacgaa caagctactn ggnnttttng cagganccca tnaattcgaa ttcggcacga
60gggtcaagtct tccgccaccc ccgataaagc ataacatgga tattggaact tgggataaca
120aggggtcccgt tgcaaaagcc ccttcacagg ctttggttca gaatataggc cagccaaccc
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300tcagcaaca ggcagctcag ccaaccgcgt gggtagcacc tcggaaccgt ggcagtgggt
360tcggtcataa tgggggtgat ggtaatggag taggacagtc tcaggctggt tctggatcta
420ctccttcaga accccaccca gtgttgga

450

<210> 2994<211> 405<212> DNA<213> Homo sapien

nncaccanna aacttcagcc aaccgcgtca ttgtggacac cattgttatg gccaatctgg
60gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aaggagcgt
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccc gatgctgatg
180aggtggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga
240aggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat
300tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggagtg aagcaagata
360aagatgacat aattaatatt ttctccgttg catctggtca tctct

405

<210> 2995<211> 400<212> DNA<213> Homo sapien

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400

<210> 2996<211> 336<212> DNA<213> Homo sapien

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60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccaat ggactacagg
120aagtgaagc aaaacgtttc cctacctgaa agtttctctg tgtgagactg gaatatatag
180ttttacctct gtacaccatt tttgctctag cctatatgga ctacctacac tcataatgag
240aataatgatc aaatgaagga gttcggtttt gtttctctt tttctttctt ttttttttc
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336

<210> 2997<211> 375<212> DNA<213> Homo sapien

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120tgctcagggg cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaaggg
180actcgtgacc gtattactat cttacagatg aagaaagtga agttctgaaa ggtaagtgt
240cttgccaaa gacacacagc cagtataatg ggagcaaac acaactgcct gaagaaaaac
300tttggttgat taaagtaaag taaaaacaga tctgaaaaga tctaccaatt caaatccttc
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375

<210> 2998<211> 373<212> DNA<213> Homo sapien

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120ccattcaggc ctgtgctatc tgcacagcc gagggctttc caggaacttg actgtctttc
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373

<210> 2999<211> 399<212> DNA<213> Homo sapien

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120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc
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300ttgtacctgt cagtgttca ccttctagt tagaagtgc tcccgtgctg gaaaagctaa
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399

<210> 3000<211> 428<212> DNA<213> Homo sapien

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120ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac
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240taaattgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca
300aaagcattaa aattgtgtat atcttgtggc ctggcaatac tccttttatg aatttattat
360aaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa
420tcccagcn

428

<210> 3001<211> 390<212> DNA<213> Homo sapien

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360gataccacca ctgtgggaag ctattacagg
390

<210> 3002<211> 405<212> DNA<213> Homo sapien

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120tgggtgcaca aaatgtgcct tttcttttct tttcttttct tttttttggg gcaaagctc
180ctttttttcc ccaggttgaa ggccaggggg ccaacttggg ttaattgaag cctcccttc
240cgggggtaac ctttttttct ggcttagacc ttcaaggaat tgggaattaa agcttcccc
300cccccccccg ggatattttt ttgattttt aataaaacac gggttcattt ttgttatcca
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405

<210> 3003<211> 433<212> DNA<213> Homo sapien

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60caaagaggtg gattctaaac ctgtttccca gaagccccc cctccctctg agaaggtaga
120gggtgaagtt cccctgctc cagttccttg tctcctccc agccctggcc cttctgctgt
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360aggcaagaag actgacaaa agtacctgat gatcgaagag tatttgacca aagagctgct
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433

<210> 3004<211> 335<212> DNA<213> Homo sapien

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120tgtccccca aattcgtatg ttgaacctt aactctcaat gcgactatat ttggagatag
180ggtttttagg tgattcaggt taaatgaggt cctaaggggt aggccctaat ctgatgggac
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300gaggccatgt gattacagag caaatggcg gccac
335

<210> 3005<211> 350<212> DNA<213> Homo sapien

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120tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac ctaaagctta
180gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca ctttcagtta
240gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt
300cttttttttt tggccattga cctaattgagg ggtatttgga ccatttttat
350

<210> 3006<211> 405<212> DNA<213> Homo sapien

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120gtattgatgt tgatcttaaa catagacatg atagaatgac tcagaattta atactctttg
180tgattttcaaa agtagatttt agcaaaatgc tttagtgaag acctgtgtat aattttttaa
240aaaaacattta acatttttaat cataaatgct aacagatcct tctgtcttat ttccagtctt
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405

<210> 3007<211> 408<212> DNA<213> Homo sapien

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60agtgcgcca gatcgtagca ctgcaactcta gcctgggcaa cagagcaaga ctctgtctca
120aaaaaaaaaa aaaaaggggt ggaaggggg aaacggctgg ggggggggggt tacacctctg
180gaacccaacc tttggggggg ccgggggggg gggactccct gggggaaggg attggaaacc
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408

<210> 3008<211> 422<212> DNA<213> Homo sapien

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60acgacagacg ggtacggctc cgagaagacg accgaagggt ttgatataac tgttggtgtg
120agtctgatta tactcataat aatatatttg tatctgcagt gcctagaaca aaacctgcca
180tatggcaaat agtcaatatt tgttgaagaa atagattaat tgacattaaa agggagaata
240ttaatccct gctgaggact aataaaatca tttttattat tgtcaacttg ctttaacaac
300catctcacia ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca
360aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgtttag
420ag
422

<210> 3009<211> 407<212> DNA<213> Homo sapien

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120aacaagacc gatgtgtacg cctagccctg gttcatgata tggcagaatg catcggtggg
180gacatagcac cagcagataa catcccaaaa gaagaaaaac ataggcgaga agaggagct
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300gaagagtacg agaccgaatc tagtgcagaa gccaaatttg tgaagcagct agaccaatgt
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407

<210> 3010<211> 403<212> DNA<213> Homo sapien

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120ctgagctggc aaaatactgg gccagaggt acaggctctt ctccggtttt gatgatggga
180ttaagttgga cagagagggc tggttttcag ttacaccoga gaagattgct gaacacattg
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300gaggaaatac cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc
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403

<210> 3011<211> 387<212> DNA<213> Homo sapien

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300atttttgcac tatcaaaagt aaatatacac catggaaatt tgaataacta gaagaaggga
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387

<210> 3012<211> 380<212> DNA<213> Homo sapien

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60ggattccctg aaccaactgg taatgcacta ccagcatata aggtgtcctc attaaagcag
120ttgggtgattg gtacatggga cctcactcat gtatgtttgc atctacttgt gagtcaaaaa
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380

<210> 3013<211> 391<212> DNA<213> Homo sapien

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120cccccaaaaa aaaaaggggg gccttatacc taaaacccaa acggaaaaaa aaccttggaa
180agttgggaaa aaccccaacc aaaaaggcgg gaaaaaaagg cttaaattgg aaaaatgggg
240gagccattgg ttttaattga accaaaaaaa cccggaaaaa aaaaggtaaa aaaaacaatt
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391

<210> 3014<211> 385<212> DNA<213> Homo sapien

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385

<210> 3015<211> 372<212> DNA<213> Homo sapien

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120ccaacgagga gggcatcact gccttgaca acgcatctg cggcgccaac tactctatcg
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240ccccgaccgg cgcggtgggc tgggtcccc gtgggcggac gcgcagctc tcacgcacg
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372

<210> 3016<211> 381<212> DNA<213> Homo sapien

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381

<210> 3017<211> 442<212> DNA<213> Homo sapien

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442

<210> 3018<211> 427<212> DNA<213> Homo sapien

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120atggcaccct ccttttctaa ggttaagggg atctccttcc ccccccccc taaaaagcgg
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300ccaaaactgt cgcatttagg ggactgacct caccgtccaa gcgatattgg gttttaaant
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427

<210> 3019<211> 418<212> DNA<213> Homo sapien

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418

<210> 3020<211> 375<212> DNA<213> Homo sapien

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375

<210> 3021<211> 384<212> DNA<213> Homo sapien

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300tccctccatc attttcagaa gacctgagga ggctgccttg tctccattgc cgccttctgt
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384

<210> 3022<211> 401<212> DNA<213> Homo sapien

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60tgcagagcga atgccagttt cagccaactc caaggacagc cctggagctg gaatggcctt
120tacagctgcc ccattggcag agaggcggcc aggttctat accctacgt ggatcactca
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300ggcttgttag tccttctca aagggggcat cagatggcat gtcacagtgt ctacctgaaa
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401

<210> 3023<211> 406<212> DNA<213> Homo sapien

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300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggactt taggagagt
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406

<210> 3024<211> 399<212> DNA<213> Homo sapien

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240gaggcgag cggaggccaa aaagagcgtt tgcgcgcgtc tagattacat cagcagagc
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399

<210> 3025<211> 399<212> DNA<213> Homo sapien

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120cggtagtctt gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccgg
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399

<210> 3026<211> 407<212> DNA<213> Homo sapien

ggggccagcc cagccctttg agatgtcgag gttggcataa cacaagcca aaagagaaag
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120tgcaagcctg gaaacccaat tgcttgatag gctgccgcta gagactcact tcaaccagg
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240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg
300ctttccaaaa cagaaataaa aatagtgaag aatgtgtcat tgtttacat ctctatatca
360aatgtataga ctacaggtag atttccttat ctgcttctgc agtcatt

407

<210> 3027<211> 353<212> DNA<213> Homo sapien

tatcggtcgc gagaagacga cagaagggtg cggtccgag aacacgacag aagggttaata
60tcaagctgta tttttttcaa aggtttttta aactttggag actctttctt ttgttaagca
120gttaaaggaa taaaagagct ggaaaaaaa ttgtaccttc aactcagggt gttccatata
180acatacgtat tctctgctgt tacgtaagtt ttccgattca cagagtccat tcatgtacat
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgttgc
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353

<210> 3028<211> 340<212> DNA<213> Homo sapien

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60taaaatagac aaaatggcta ctcttaatct accattctca ctgggttgtt gtgaggacac
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggcgtaacc
180ctactcctaa cctgggtcatt ttaacctcct gtgccctcag tttcttcac tgtataatgg
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat
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340

<210> 3029<211> 417<212> DNA<213> Homo sapien

ctgtgttgag gctaattggcg gtgcccacgg aactggatgg agggagtgtt aaggagaccg
60cagcgggaaga ggaatcgca gttctggcac ctggcgccgc cccgttcgga aattttcctc
120attattctcg ctccaccct cggagcaac ggctccgct cctgcccccg gagctgcttc
180gacagctctt tctgagagt cccgagaacg ggccgattct ggggctcgac gtggggtgta
240actccgggga tctgagtgtg gctctataca aacacttctt ctccctacct gacggggaaa
300cctgtcaga tgcctcaaga gaattcgtc tcctctgctg cgacatagat ccagtcctgg
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417

<210> 3030<211> 407<212> DNA<213> Homo sapien

cggttgctgtc gaaagactca gcccaggtat aggatgcctt ttttcccttt gttttttttt
60ttttgaaaag ggagtttggg tttgccccca aaggtggaaa ggcagggcca gaatttgggt
120taactgaaat accccctccc ttgattaagg aaattttctt gcttaacctt cccgggaagt
180gggaatggaa ggcccccccc cccaccccggt gtaaattttg gatttttaag aaaaaacggg
240ttttaacaat ttggcgaggt gtggttttaa acnatnaacc taagggaatt accttccttg
300gcctccaaa aggcctgtaa taaagggcgt aatgcccggt cccaaacaaa aaaggggggt
360tttctaaata ccgggggggt ggggttttaa acaatacttt gacaaaa

407

<210> 3031<211> 423<212> DNA<213> Homo sapien
ggaaatttgg gaagaatcca agaagtatag gccaatgaaa acaagttatt aatacaata
60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaatg
180gggtcctcat cgcacaccat acacaaacat catctcaca atggattaaa gacacttaag
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt
300cgcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaaac taaaagtaaa
360caggtgggat tacattgaag taaaagttt ctgcacaaca aaggaaacaa ccaacaaaat
420gag

423

<210> 3032<211> 410<212> DNA<213> Homo sapien
ggcacgagag cgcacttccc tccggagagc ttagaaagtg cattttggcg tcacttaagg
60gacggtgtag tgagttccgg cttcactggg tccaattctg tccattgtt cggtgcatgt
120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc
180aaagggaaaa acgaacacgc acaccaaagc gctagcttgc gttcctgcgc atgcgcagtg
240acccgagcgg agagggcggg gcgtagccta agcgtgggat tccgcgcgtg cgctcggtc
300cgctggtgc ggccgcggtc gggagggact ggattatgtc ggccccgttt gaagagcggg
360gtgggggtgt accgtgctgg accccgtggg gccagtggac cagaccttgg

410

<210> 3033<211> 416<212> DNA<213> Homo sapien
ggcacgagga aacgtttgtt gttttggtct tcacaataaa ccttggtacc gccaaacttt
60tgggtccgtgc catctaaaag cgctgtgaca ctaccgcga aggtcccggc tttattcctg
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgtaca gagaacttct
180tcaggccttg aaatagaac atagtaaaaa gcggcttctt tgtccatgga tcagcagtc
240ctatttccca gtcgcctcc aagagctaac taaagtgcag cataaactgc atgcagcatt
300gttttcacca cagcaaacc ttcgggggtgc ctctagcgg cggatggaga actagcattg
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416

<210> 3034<211> 431<212> DNA<213> Homo sapien
cggttgctgtc gaagactgag gtcgttgatt ctgatggatc agtgaaagac aaaatcacag
60cattcatagt agaaagagac ttgggtggag tcaactaatg gaaaccgaa gataaattag
120gcattcgggg ctccaacact tgtgaagtc attttgaaaa caccaagata cctgtggaaa
180acatccttgg agaggtcgga gatgagttta aggtggccat gaacatcctc aacagcggcc
240ggttcagcat gggcagcgtc gtggctgggc tgcctcaagag attgattgaa atgactgctg
300agtacgcctg cacaaggaaa cagtttaaca agaggctcag tgaatttggg ttgattcagg
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420cagggatgct g

431

<210> 3035<211> 335<212> DNA<213> Homo sapien
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60gtctaccctg tggaacgcg gaagtcacgc tgccgcaagg ggcgcatagg ggcctacg
120acccagaaac gcaaatgata ggtaggcgga cctttcccgc ttgcgcgcat actcagctac
180gtaagactcc tctcttacc tttcctttcc ttgcctttcc tttccctgac gctggaggaa
240gaagggcagg ggttctgtgc catangcggc ctttctggtg cagaggacct tcccctcct
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335

<210> 3036<211> 408<212> DNA<213> Homo sapien
ggcacgaggg aactgcact ccagtccagt cacgggggtc tgggccctga gcggctacag

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120gaagccgctt acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg
180acctccgaca accagggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac
240cctcccaaag acctaccttg gggaggaatg atactttcca aaccacccct cctgggggtcc
300atgcttgcca acaactgcat tgttgctggt ggctgttctt agtcttccac tctgcttctt
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408

<210> 3037<211> 353<212> DNA<213> Homo sapien

tctactgctg cgagaagacg acagaagggg ctaacatttg ctccatcaag cagataggta
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120aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac accccagact
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240ctcaaatca tgggtgaagg ctaaaggata tcttacatgg tagcagacaa gagagaatca
300ggaccaagca aaaagagttt ccccttgtaa agctatcaga tcttgtaga ctt

353

<210> 3038<211> 352<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtgtaga
60taacagaagg cactaaatca ttgaagattt gaccttgcct catagacttc tctttacttg
120gaataacact tcgacctgcc tacaatctt caacagttaa ttccagctat tacctccttt
180ataagatctt tctagtctt cctagatcct cttagttcta cctacaaata ctttatttaa
240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttgta
300tggtatctat ttctcagctt gcttaaaaca aagaatacat aatgaacgg cg

352

<210> 3039<211> 346<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgaccga agggacatgt
60aaacaataat ttggtgctcg gaaggtaggc gtcagccaag caaagcagga aggaaacgga
120ggagagggtg ccttgcttga atgggggac cgcaggggtt ttcctgccct gtgcttcac
180tgtgctatgc tctaccttc cctcagtcag tcataaaatc ccctgtttgc tgccccggc
240tttgcttccc cacactgact atattagagt cctcatttgc agagcagcac tgcaagctaa
300gtattgtag cacagattaa agagactgag gagggtcctg gggagg

346

<210> 3040<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc ggccaccata atgatactat atgtgtccaa
60gctaaacaaa atcattcact tccctgattt tgataagaaa attcctgtaa aggtaagtaa
120tgaaaagtat gtatgactgt gatagaagat gtgaaaatac acattgattt tagagtacag
180gtcaatttct atacacactg tacttcctgc ctgcactgga tagaaacttc ttttttgtt
240tgagatggac tgctgctctg tcgcccaggc tggagtgcaa tgggtgtgac ttggctcact
300gcaatctccg cctcctgggt tcaagagatt ctgc

335

<210> 3041<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gctatggcat ctgcatgtgg cggaagttta gcattaatgg attcaggggt
60tccaatttca tctgctgttg caggcgtagc aataggattg gtcacaaaaa ccgactccta
120gaaggggtgaa atagaagatt atcgtttgc gacagatatt ttgggaattg aagattacaa
180tggtgacatg gacttcaaaa tagctggcac taataaagga ataactgcat tacaggctga
240tattaaatta cctggaatac caataaaaat tgtgatggag gctattcaac aagcttcagt
300ggcaaaaaag gagatattac agatcatgaa caaaactatt tcaaaacctc gagcatctag
360aaaagaaaat ggacg

375

<210> 3042<211> 389<212> DNA<213> Homo sapien

ctgcctcag cgtttctggt tcaatagggt ttgggggaga ccaagaacgt taacatttct
60agcaagtttc caggtgatgc tgtgttgct ggtctagaga ctattttgag aacctgtc
120caggagcgtg ttttctgat tgtgatctga gttctgccc caactgcaca gcagttggg
180tgcttgtaa aaatgcaggt gcagatcttg gtggtagtag caaatattca aacgagaact
240ttgaaggccg aagtggatca cttgagctca ggagtcaag accagcttg gaaacatggc
300aaaaccgctc tttatgtgcc tggaaatcca cctgctcagg tggctagggt ggatggatcg
360cttgagccca agagggtggag gctgcagtg

389

<210> 3043<211> 387<212> DNA<213> Homo sapien

ggcacgaggc aatgtgcagt acctgaaaag caggatatta tgaagaaact gaaggagatt
60gcattcccaa ggacagatga attgaaaaac gaccttttaa agaaatataa cgtagaatac
120caagaatatt tgcaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat
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240tcggagcagt ttctgttttt cgaagatcaa ctcaagaagc aagagttagc ccgaggtcaa
300atgcgaagtc agcaaacctc agggctgtca gagcagattg atgggagcgc tttgtcctgc
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387

<210> 3044<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggatac ggctgcgaga agacgacaga agggatatga
60gtagtgtgag tgtattgctt agaacaaaag agatgagaca ctaacactgt gtgtatatcc
120taaatcatat atcagtgaag aaatgtgatg tttgcaacat cttctctggg gatgctaacc
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240gtgagaaatt ccaccataat ctacacacca taatatcctc aatgtgtcta gaagtcagat
300cctctatgtg tgaaccaaga caatgcctgg caaacaagac agctgggctc tcaggtctct
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373

<210> 3045<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggctcaca
60cctgtaatcc tagcattttg gacgctacgg cataagcatt gcttgaagcc aggagtttga
120ggccggccttg ggaacacagt aaatcctgtt tctacacaaa ataaaaaaaa ttagtttgct
180gtggtggtat gcatctgtag tcccagctac ttgggagggt gaggtgagag aatcacttga
240accagaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcttgggcga
300cagtgaagacc cttctcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg cccttttttc
360cctaaccaca accttgaaa

379

<210> 3046<211> 410<212> DNA<213> Homo sapien

ctgcgctagt cctaaagagg aaatgtctct actctgcgtg gatgcagccc gcaccttggg
60gccccgggta tttgggagat atttttgcag cccagtcaga ccgttaagct ccttgccaga
120taaaaaaaag gaactctac agaattggacc agaccttcaa gattttgtat ctgggtgatct
180tgacagacagg agcacttggg atgaatataa aggaaccta aaacgccaga aaggagaaag
240gttaagacta cctccatggc taaagacaga gattcccatg gggaaaaatt acaataaact
300gaaaaatact ttgcggaatt taaatctcca tacagtatgt gaggaagctc gatgtcccaa
360tattggagag cggtggggag gcggagaata tgccaccgcc acagccacga

410

<210> 3047<211> 396<212> DNA<213> Homo sapien

caaccgagat gaagggtgaag atgctgagcc ggaatccgga caattatgtc cgcgaaacca
60agttggactt acagagagtt ccaagaaact atgatcctgc ttacatcct tttgaggtcc
120cacgagaata tataagagct ttaaatgcta ccaaaactgga acgagtattt gcaaaacat
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240agctggctac tgccttttct ggggcgtgtg atggagaggt tagaatttgg aatctaactc
300agcgggaattg tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc
360gcttttgtgg gacttctttt ttcactgggt gtgatg

396

<210> 3048<211> 358<212> DNA<213> Homo sapien

gcctacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtct
60ctcaattttc cttttgacgc aaaanttact cactcagttt cttaaagaaat attttttaaa
120aaagggttca gtatacgtta gttctctcat ctacacctgg ttgctctaact cggtagacatg
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggctgaaatg tccgttacta
300acaaatactg aaaccctttt taaaaaatat ttatctagga actgagcgag aaattttt

358

<210> 3049<211> 413<212> DNA<213> Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaaataagc ccatgaaaaa gtaggcacac
120tttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca
180cgaatatgaa aaaatactca atgttcccaa tcacagggga aatgcaaatt ataaccacag
240tgaaatataa tctcatccca gtttgaatgg ctattataaa aaagacaaaa aataaccaat
300gctgatgagg aggtagagaa aaaggaactc ttgtgcactg gttggtggaa atgtaaacca
360gtacagccac tgtggagaac aatatgaggt ttttcaaaaa actaaaactc atn

413

<210> 3050<211> 398<212> DNA<213> Homo sapien

ggcagcagac aaaatgaagc tttaaaacag ataaaagaaa tctacaattc cccattttaag
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120ccactttttac ctgtactgat ttttttctt cttttttttt tttaaaaaaa cagggttttg
180ttttgtcact cccaacctgg agggcagggga ccaataata tttccttaca gcctcaaatt
240cctgacctca agggatctcc ttcccaaagg gttgcaattg cagggggaac cactgcccc
300tggtgttga aaaatttttg cctacagggga gggaaactac taaagtctct ggggaaccaa
360agtaaaattt cttaaaaaca aaaggagggg agaggaga

398

<210> 3051<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc cctcagtggg catgttccgg tctcccaggt
60gacaccaacg ggtccacacag agaccagcct catctccgtc ctggctgatg ccacggccac
120gtactacaac agctacagtg tgtcatagag ctggaggcgc cccgtccggt cagccctcgc
180gcccctctct tctgtgcct tgagtggcag aggagccgtc cagccacacc agctttcttc
240ccaccgctca gggcagggag gtctgaactg cggccccaga gcctttggcc taagctggac
300tctccttacc cgagtgcgc ctctatcccc tccccacgt

340

<210> 3052<211> 383<212> DNA<213> Homo sapien

cggtgctgtc ggagaattcc agtttttctc acatcctcat caacagttgt tattgtctgg
60cttttttatt atattcatct gtaatgtgaa gtgtttatct cattgtgggt ttgatttaca
120tttccctgat ggttgatgat tttcaacatc ttttcatata ctattagtc attatgtatc
180ttctttggag aatgtctgtt cagatccttt acctacttta taattgggtt atctttttaa
240tattgaactg taatagtctt taaaaaata atcctaaata caagtctctt atcagataat
300atgatttgca gatattttct gtcattctat gtactgtctt ttcacattct tgatgataga
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383

<210> 3053<211> 415<212> DNA<213> Homo sapien

ctcaggctga tctaaactcc tggcctgaag caattctcct gtctcatctt ccgaaagtgg
60tgggattaca agtgtgagcc actgcgctag cctatgcttt acttattcca aaaaaataac
120atgaatggaa agaggaaaaa taaacctgaa agcaagtga gatacattaa tccagctgta
180tttttaaatga gtaacataac cacaccgacg gggattgggt aagggaggat ggaaaatcta
240atccaagtga tttatcgaca catcaaatgt gtttgactgt atactgtcag ttgtggtggg
300ggatgggact gcaagaaaaa tcttgaggcc aggcgctggt ggctcatgcc tgtaatctta
360gcactttgag aggccgaggg aagatcacct gaggtcagga gtccgagacc agccn

415

<210> 3054<211> 421<212> DNA<213> Homo sapien

ggcagcagaa gaccttggat caaaaggaag cttctatacc tttttcttct tcgcttctc
60ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag
120gggggaaagga ctctgtcccc ttggggctca tcacccttcc acatctctct cctcgttgcc
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240cttgaaagcc aggggccc aa tctgggttaa tggaaaactt tgcctccgga ataaaagcaa
300tactccggcc tcacccttta aagtaccggg aataacgggg cccctcccc cccccgggt
360tattttttgt ttttaagga aaacggggtt tacccttgct gcccaaatgg gtttaaaact
420g

421

<210> 3055<211> 162<212> DNA<213> Homo sapien

acctatnatg gaattctaat gtcattatct taatggaatc aatcgaaata tgctctatag
60agaatatatc ttttatatat tgctgcagtt tcttatgtt aatcttttaa cactaaagga
120acatgacata atcataccat agaaggaac acaggttacc at

162

<210> 3056<211> 381<212> DNA<213> Homo sapien

cgttgctgtc gggctgtgag gcgctgggga atctcaaaaa acttcagccg gggacaatca
60aaaatctgaa gcaggacaat tggggagaga gagatcactc ttcttgaaga gatcatcatg
120cagttgtaga tccttttgtt ctgaaaggc cacaagaagc tgagaggaag tctgattcct
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240tgacaagata ggggtgggt cagtgtggg caggggttga gagtgcgggc cctgggtcag
300cctgcttatg tatcagtcct gcctctgcca cttactatgc aacctggagc aagtgaacac
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381

<210> 3057<211> 400<212> DNA<213> Homo sapien

nnnacgagat gaagtgttg atgtgtacaa agccccactg cagggcgacc acaatcatct
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120cagacctcac tctacggaca gtgccacaca tagaaagatg actctgtcac ttgcagatag
180gtgttcaaag acacagaaga ttagaatctt gccaatggct ggtcgtgac ctgaatgcca
240acgcacagaa atgattaaga aagaagaaga acgtttgagg gcttccatac gtagggaatc
300tcagcagcgc cgaatgagag agaacagca ccagcggggg ctgagcgcca gttacctgga
360acctgatcga tacgatgagg aggaggaagg cgaggagtcn

400

<210> 3058<211> 335<212> DNA<213> Homo sapien

tacggctcg agaagacgac agaagggcta ctatgttctt gataacctga tactgtccc
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120accaggaaca taggagtggg ttctgtcca aaccaaattg cattcctttg gatttttaaa
180tttaacttaa ttggctattc taaagagtcc ccctcaccca atgtttgatc attggagccc
240ttaagatgca caatgaaatt gtgttttgca ttttttggtg acaggactaa aggaaggacc
300tggtaatgta tgctggagca ttcttcttgg aaggg

335

<210> 3059<211> 387<212> DNA<213> Homo sapien

ggcagagca ttgctttgct tgtgcatttt gtccaattct tggttcaaaa tgccaaaaac
60ctggacaact ttagtcaag gccctccact ggcaacatgt atatgtgttt ttgaggtggt
120aggtagctga gattgaagat gagtggattt atgaattgaa taacaataaa tatectactt
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240atctgttggg cagattggag ctggcagggg agggcctgta ttgttgaagt tgccatggct
300actgcaggaa gtgagctttc ttctaaaaac ctactggcc caagaacaag cccaggcaag
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387

<210> 3060<211> 395<212> DNA<213> Homo sapien

ggcagaggg tgtggagagg gcagtggccc tcatttatca ctctgacctt cacagggaca
60gatctgattt atttatattg gttaaaaaaa aaaagggaaac aaaaccaact ttgcattgca
120tgggctggac ccataaacta agttatatcc gggaaaaaaa aaaaaaaaaa aaacccctt
180aaaaataatg gggggggttt tcccgaacc ccaacctgaa aaaaaccctt ggggggttgg
240ggccaccccc ccctaaaagg cgggaaaaaa aaggcttttt ttggaaaatt gggggggtt
300tggttttttt ttgacccctt taaaccggga aaaaacaagt taacccccac aatgggtttt
360tttttttttt ccagggcccc gggggggggg ggggg

395

<210> 3061<211> 399<212> DNA<213> Homo sapien

ctggtgttag ggtactttgt ttttgaggtt tggcagagat gtgtttaaga gctgcggctc
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120gtggaagaag ttcaaggacc tggagtgtt ggtgaatttc caatcatcat cccaggtcgg
180gtatatgaat acacaagctg taccacattc tctacaacat caggatacat ggaaggatat
240tataccttcc attttcttta ctttaaagac aagatcttta atgttgccat tccccgattc
300catatggcat gtccaacatt caggggtgtc atagcccgat tggaaatggg tcctgatgaa
360tatgaagaga tggaaacaaga ggaggaggag gaatatgag

399

<210> 3062<211> 399<212> DNA<213> Homo sapien

tgacccttgg actctcagac accttgaggt tcagcagagg aaaaaggtag caaaaagaa

60tttgaacaga gggcctgatg aaacagtga gtttcacata acccaagcaa agaacatttt
120tcaagagaaa aagaaggac agttccatct attgatgttt gagaaatcaa atgagattag
180gtgagagaag aaactattgt gggaactaaa tgataagaac ttacgaacac aaagaaggaa
240acaacacata ctgagggtcta cttgaagtgg ggggaggtgt gggaggtttn ntatntnnnt
300nanntatgan anttaaaactg tgtgtaatta ggggggttta ttaaaaattt ttttaaactg
360gatagagaag cttaagaaat gtgtgtgctg ttgggggtgn

399

<210> 3063<211> 385<212> DNA<213> Homo sapien

cgatgctgtc ggcagaacac tgatgagctt cccagcacag ggacaggaaa ggtggcttgc
60gggtctggaa gaagggtcag gtggcattta cacagtggga gagggctgat cggagacagg
120cattccatgc agggcatttg gaagcaaaat gtggagggtca ggccatgctg ggtatttcag
180agaaggaaat atgggacatg tcggtgaacc cgaatgccta gtaaggcagc tctgatggag
240gaagccaagc tgatggcacc tctctggcac ttggcagcga tggccttcat tacttacgtg
300ctcctggctg ggtatggcact gggcattcag aaaaggtcag tgccaagccc ctctcttacc
360ctccctccc tgtgagctct tctcc

385

<210> 3064<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggtac ggctgcgaga agaccacaga aggggtacggc
60tgctagaaga ccacagaagg ggaataaaa aaaataaaac attttttttg gccctttttt
120tgcaagtct caactttatc aaaatctttt tataattttg gccaccccc aattaaagtg
180ttgggaaaaa actttttttt tgggaaattt tggaaccttt tgcttttttt ggaccctttt
240aaacttggca taaaccagtt aacccccccc atttctttt ttttttttt taagtacacg
300gggggggggg gggagggtta gcttctgttg aaac

334

<210> 3065<211> 422<212> DNA<213> Homo sapien

cgttgtgtc gccaggcccc actcacacca ctacaggctc tacttatagt gccattacca
60ctacccacag tgcctcaagc cccctcactc acactactac aggtccacc cacaagcccc
120taactctctac cttactact acaggcccta cctcaatat cataggcccc gtccagacta
180ccacaagccc caccacact atgccaagcc ctaccatac cacagcaatc cccgcgatac
240ttcaacgctt tctgacttcc aggtgatgac tgggccccca ataatcccc tttttgggtc
300nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
360nnnnnnnnnn aaaaaccccc cgcggcgctt tttgttagaa aaaaacaaaa aaaaaaaaaa
420aa

422

<210> 3066<211> 421<212> DNA<213> Homo sapien

ggcacgagg gctggggcgc ccccacttg catctcagag accccggaat gcaaggcctc
60ctgcagctgc acccagggcg cccacagtgt atctggggat taggacgctc aggtgtccgg
120gccctgcccc cagcgcttg ggggagctg ctgtcacacc cagcaggtgc gggccgagca
180ggacccaaca gagggtcag gagggaagg cccaaccggg agccacgttg aaccagagg
240aagccgcccc acccagcttg gccacagcca tcttccctcc tgccggacag ggtgggcccg
300ccaccgagca gaccagtgc cccgccttg tcccgggtca gcagcccag ggtccccttg
360cctcatctgg ggcggctgtg ggctctggcg ctctctctg gctgaggttg aaacagagac
420n

421

<210> 3067<211> 398<212> DNA<213> Homo sapien

ggcacgagac cgtgttgag gccattgca gaattattgac ttaccacag gaccgtttca
60tggcatctca acagttagtc ttccaaatag tctgcaggaa gtagggcaca gaaacagggg
120gaggattggg tgttttctt gtttctgtgc cctacttgag tctctaata ctctgtctag
180aacttgaatc tttgctagat aatgaagggtg atcaggtgat tcatacatct tctttcatca
240atcaacatcc aatcattttc tggaacctcg tttgtattt cagacgtttg gaccttctta
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360tgtcatctct gtccaggat agcaaacttg tgtatatt

398

<210> 3068<211> 421<212> DNA<213> Homo sapien

ggcacgagag atgacatttt ctccgatttt tattatgttc ggttcacgga gcggctacat
60gaagtctga aggatgggtc gccccgggtc actccacttg gctatgtctt gccagcccac

120gtgactgagg agatgctatg ggagtgcgaag cagcttgggg ctcactcccc ctccaccttg
180ctgaccaccc tcatgttctt taataccaag tacttccctat tgaagacagt ggaccagcac
240atgaagctgg ccttctccaa ggtcttgcca cagacaaaga agaaccctc taatcccaag
300gataaaagca cgagtatccg gtacttgaag gcccttggaa tacaccacac tggccagaaa
360gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc
420t

421

<210> 3069<211> 386<212> DNA<213> Homo sapien

cggtgctgtc ggaataaaac attttactta aacacaaaga gcatcagtga cctgtgggac
60aactttatgc agccttatta tctatgggtga ttggcgctccc tgaaagagag gagtggggag
120ggagatggaa taggaaaaat acttgaagac ataattggcca aagattttct gaataataa
180aaaactaagt ccacagatcc aagatgtcga acaaaccctg agtatgagaa atatgaagaa
240aaatatgcca aggtcatca taacttgctg gaaaccagtg ttaaaaagaa aatcttaaat
300gcaaccaggg gagaggatag ttacttgcaag tggaaacaaag acgaagtga cattacactt
360ctcattggaa acaatgccag taagca

386

<210> 3070<211> 415<212> DNA<213> Homo sapien

cggtgctgtc ggaggaacaa ataaacactt atgacataca gaaaacaaaa agttagaatg
60gcagaagtca gtccagcctt atcaatagta acattaaacg tgaatagatt taacaattca
120ttcaaaagac agattgttat attggatcag aaaacaagat ccagttatat gcagcctata
180gaaaacacac tttaattca gagataaaat aggttgaaaag taaaggacag aaaaagatgt
240atcatgcagg cagcatccac gagaaagctg gagaggctgt acttttaaaa agttggaggg
300acagagtctc actctgtcac ccaggtgga gtgcagtggc acgatcagct cactgcaacc
360tccacctccc gggttcaagc aattctgatg cctcagcctc ccaagtaatt gggat

415

<210> 3071<211> 411<212> DNA<213> Homo sapien

ggcacgagac tgaccatgcc ccttggaaca gttatttagt ctcccggagt ctgtttgctc
60atctctaaag agaggggtgat gacagtacct ttttcccagg gttacagagg gattgaatga
120gatgatggat ggcccagtgc ctggaggaca gtagcacttt gtccttaata gggattttag
180caataaagcc agcatgaaat ttatttttca tgccttaga tttgaaaatt tatgacttag
240aatgtgtgta cttcttaggt taacctgccc ttcgtcacct catgaaaagt aagacagact
300taggtggctg actttggagg gttttttttg ttatatttgc ttccattata gatcgaac
360cgttggaagc tggcccaggc acaagtacaa aaagactcta aagaagctgt t

411

<210> 3072<211> 406<212> DNA<213> Homo sapien

ttgagatttt aagtgaatgt aagcagaaaa agtcagatcc aatttacaga aatcagagtt
60agctacagct aggactcgtt tgggtggggg tttttagttt gtctttctaa agtcatgtgg
120accttaattt aattacaaaa gtctaccctg gtggtcatga aataggcagg cctatgaaga
180aaggcctttt actcttcag catgcaagct cagaaccaac acattactct ctgtgcctaa
240tggtctctca tgtggttgat tttttttttt aatttataga gcatttcggg ggaggtgtgg
300ggagtttctt nnnacttta tctccnnntt acaaaaattt gaggtgcaaa ggaaggccc
360gatttttttt ttaatgaatt tttttttatt agatctcgag ggttat

406

<210> 3073<211> 409<212> DNA<213> Homo sapien

ggcacgaggt aaaacacccc ctacatgttc caattctggg cctgtcttct atctatcttt
60gcccttcttg tccgttccct gttctgagcc ccagggaact tagggctgaa agtcaccccc
120gaagcctcag accagatcgg gaggccacac gcagctcatg gggacagagg gccagggtg
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240atccccagcc caagctcaga tgaccagcc tgtgtccctt tagcggccga ggagccacca
300cctgttcggg ggttgaggga tggcttccca gaggacctgg gacactcacc tagctcgttc
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409

<210> 3074<211> 406<212> DNA<213> Homo sapien

ggcaccaggn tgtccagagc gttgttcctc tctacgagct cctcagcgt ctgcagggtg
60tggtgtgca gcaggacagc tacattgagg accagaaact ggtgctgagc gagagggcgc
120tactctcgag cttgtccgcg ccgagctccc tcattgagca ggagaagcag cgcagcctgg

180agaagcagcg ccaggacctg gccaacctac agaagcagca ggcccagtac ctcgaggaga
240agcgcaggcg cgagcgtgag tgggaagctc gtgagaggga gctgcgggag cgggaggccc
300tcctggccca gcgcgaggag gaggtgcagc aggggcagca ggacctggaa aaggagcggg
360aggagctcca gcagaagaag ggcacatacc agtatgacct ggagcg

406

<210> 3075<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctgatgttgg cctaggggaag ggacggtact acagtgtaaa tgtgccatt
60caggatggca tacaagatga aaaatattac cagatctgtg aaagtgtact aaaggaagta
120taccaagcct ttaatcccaa agcagtggtc ttacagctgg gagctgacac aatagctggg
180gatcccatgt gtccttttaa catgactcca gtgggaattg gcaagtgtct taagtacatc
240cttcaatggc agttggcaac actcattttg ggaggaggag gctataacct tgccaacacg
300gctcgatgct ggacatactt gaccggggtc atcctaggga aaacactatc ctctgagatc
360ccagatcatg agtttttcac agcatatggt cctgattat

399

<210> 3076<211> 425<212> DNA<213> Homo sapien

atcccatcga ttcgaattcg gcacgagcta accaggacgg cccagtaggc agagctcatt
60tttattcctg tctgcaatcg tgcaaaaacg cctcttatgg aaaagccaga gcgccaggag
120tcagcaaaaac aactaaaaga ttgggcagtc actggggaga acactcagcc cgctgcacc
180caggtgaaat atacagcctt gttgctcac caaagcctgt ttggtggttt cttcacacgg
240atgcatgtga catttggtgc tgaagaccca ggacaggagg actcctttgg gagaccagtg
300ccctgttgct gccctcactc cgtgaggaga tccacctatg atctcaggtc ctcagaccaa
360ccagcccaag gaacatcttg ccaatttcaa atcggatagg agtgtcaggc ctctgagtcc
420aaagct

425

<210> 3077<211> 404<212> DNA<213> Homo sapien

ggcacgaggt ttttgttttt aagagatggg gtctcgctgt gttgcccagg ctggaatgca
60gtgactgttt acagctgcga tcatagcata ctacatcctc aaactcctgg gctcaagcaa
120tcccccttgc tcagcctgcc aagtaactgg gactacaggc gcactgctgt acccggtttt
180gtgtttgttg aaataatttg aaagggatg ctggaagcat attaaagtgg ttattgaagc
240agatctgtgt tgggggtgat ggggagagaa aatgtgggct ccagttgagt ttaaggcagg
300agtgtccaat cttttgggtt cegtgggcca cattgggaga tttgtcttgg gccatacata
360aaatacata atgctaata tagctgatga gctaaaataa aaaa

404

<210> 3078<211> 376<212> DNA<213> Homo sapien

ggcacgagga ggggcgcgcc ggttccttgg ttcctgaggg cgatggcgcg ggggtggctgg
60cgccggctac gccgcctgtt atccgtgggt cccttcttgc actactggta cttgtcgctg
120gaccgcctat tccctgcgtc tggcctccga ggcttcccaa atgtcctcaa gaaggtcctc
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240ctggaggggc agacagtggg tgagagctgc caggagctgc gggagaagtt ctgggaattc
300tacaaggcag actggtgcgt gtggcctgct gcgcagttcg tgaacttctt cttcgtgccc
360cctcaatttc gagtcn

376

<210> 3079<211> 326<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcat ctataggaaa agtcctttcc ctatggaagc
60tactccctta aactagaaga ggcgactgtt ccaccagatg cacagatatc aacataaaga
120cccaagaaac acaagaagc aaaaacaaaa cgaacaaaa aacacacaaa caaatgaaac
180gaaacacaa acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga
240aaatctatga aatactacga agaacttgaa aataatgata ttaaggagac tcagtaagat
300ataagagaat acagaataac aattca

326

<210> 3080<211> 393<212> DNA<213> Homo sapien

ggcacgaggg gaccactacc accaagacgt ggagatcgac agtggccctt aaagcctggc
60tgcgtgttta tttattggat acaaagcaga tggggcaggg taaagagttt acacattcgg
120caaagcacag ggcaacagc atctctaagt gaaggcgag cgttaccgtc tcatgctggg
180attccactct cggcccgcg tggcccgcc ctttatcggt attttccact tgcgcctact
240gctcaggcaa ttgtgcaggc gaccccgag ccccgagcg ttctccccgg cctcagaga

300tttacggggtt tacctttcta atgaagccca acggaagctg ctaacgtggg aatcgggtgca
360taatgagaac tttctgctgg cacgcgctat ggg

393

<210> 3081<211> 390<212> DNA<213> Homo sapien

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60agaagccaca cctgtgggca acagagaatc cccgggacaa gctgggatga attcaattca
120ttccccaggc cctgcgagcc cagtcagtca cccggatggc caagaagcca aggcactgcc
180gccctttgca tgtgacgtgt gcgagaagag gtttacgtgt aattccaagc tagtcatcca
240caagagatca cacacaggcg agagactctt tcaatgtaat ctctgtggga agcgcttcat
300gcagcttatt agcctccaat ttcaccagcg aaccacact ggcgagaggc cctacacgtg
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390

<210> 3082<211> 349<212> DNA<213> Homo sapien

tatgtacttc gattgcgaca tgacaacata cagtgatgag ttggtgcaat gcactcctac
60aaggcaacga aagataagct ctatttagca acttcgtgat gctatctggt ttattgggaa
120ccattataaa ctgcaataaa ctggctagct acgacaattg catatcttgt atgttacaag
180attaagggga ggagcgtgga ggcttagctt anagtcacaa aaggagaact tgaaaaacaa
240atgcaagaaa aatctgacca gctatagatg catcatgcca aaataaagga actagaagat
300ctgaagagaa catttaagga gggatggat gagttaagaa cactgagaa

349

<210> 3083<211> 410<212> DNA<213> Homo sapien

cgggtgctgtc ggaactgggtg gtggctccag cagggtgtgac gatgaaagag ggaaatgaga
60tcctgcagcg tagcacgaaa ggtaccaggg agctagttag aaactcaacc cccagcctga
120ctccctgtcc acagtcccggt tgttccttca cagccttaca ggttatccca gcaaccagac
180tgagccctgg ggaagggttcg aataacctca ggcaggccag agcacaactc ctgccatcct
240tctcttagct tagggaagct tgcccttaga gcagcatctt catagtatgt ttcccaaac
300tagtctatg cgatgctcat cagaaaaaaa tcttgagcaa taactccttt ctctatcccc
360tatcttgcac aaagaattgc acattcactt attanaggct ctcagaagtn

410

<210> 3084<211> 390<212> DNA<213> Homo sapien

ggcacgagac atcttctcct acttctacat ggtatacggc ggcagctcgg gcaagccctc
60cgagaagaac ctctacgccg acatcgacgc cgcgtggcag gcgctgcgca cccggtatgg
120cgtgagttccc gagaacattt tctctatgg tcagagcatt gggactgtcc ccacggtaga
180cttgccctcg aggtatgaat gcgcagcggg aattctccat tcccctctga tgtctgggtt
240gcgtgtggct tttccggata ccaggaaaac atactgcttt gatgctttcc ccagcattga
300caagatatct aaagtcacct ctctgtgtt ggtcattcat ggcacagagg atgaggtcat
360cgatttctcc catggcctag cgatgtacgg

390

<210> 3085<211> 424<212> DNA<213> Homo sapien

ggcacgagga ggcgatgaag ggaaaggtgg gaaagttagg ctctcgtaaa gcctagagga
60tgtgtggggg ccatacaata cggggagtag gccttttggg tagaatctac atgaaatgta
120tttaggcgatg ggaggggggc gccgacccgc ctacgcgcgc atgtgcatcg gaaacttttc
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240gccttcgcaa agtgctcagg gaagtgtagt gtgcagggaa agtaggtcac tctgctatc
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360ccgcctctcc gcctacggtt gggttgagtc gagttttcct ggctcctgag gaacatggag
420tgcn

424

<210> 3086<211> 395<212> DNA<213> Homo sapien

tacggctgcg agatgacgac agacgggtac ggctgcgaga agaccacaga tgggttccgc
60tgcgagaaga cactgaagg ggacggctgc gagaagacga ctgaagggtg cggctgcgag
120aagacgactg aagggtacgg ctgcgacaag acgacttatg ggtatcggct gcgagagacg
180acagaatggt acggtgctaa aagacgacag aagggtacg gctgcgagaa gacgacagaa
240gggttacatt acatgatgct tcaatactag ataaaccagg cttttgtgtc aaagctagat
300tataggattt ggagtttaac tttcttttcc cagcaaggta gtggccatct gagtcagctg
360gcaaaaactg ggaggattag tgatcaagaa attgt

395

<210> 3087<211> 423<212> DNA<213> Homo sapien

ggcacgaggt gaaagcccaa gttagatgt gcattaagta ttaaatagca cagtatcttc
60ttcatggagc cttttttcct ccccatccc ctgcagctgc ctttttttgg gggaaggggg
120ggaagggttt ttgaacttta aaaaattaaa aatatagctt attgaataac cgccataaaa
180aatataaatg cgaatatcat aaaactcata ctgctaaact aaattttttt tttttctgt
240aacggagtca taactatgat accaggctgt agtcagcgg cacgatcttg gtatattgaa
300agctacacct tccgaggtca ctccatcac ctgcataaac cgtataagta gctggcacta
360caggtgacag ccaccatata cagctaattt tttttgtgt tttacaaaa gagagagaaa
420aag

423

<210> 3088<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggctcatg ggccaccaga agcattactg tattattagt atgatttaac
60ctggacatgc attaaaggtt ctattacctt tctttccgtc tgcctcaaca gctgagaagg
120ggccgccaag gagtgccaac cttttgtctc ctctatctg ggagtgcgg atgggagagc
180gtgcgccaag gagggggcgt ctctggctg gcaaggagg aaaggcagcg agaggtgcgc
240gcaggttggc agtcgtcagc aagctggcaa tgagaaggct ccgaactgat gaatggaaac
300ctgctgagct ggaggcgct aggtgacct tgcgagcat ctctgacagc aatcggcaca
360gctctctttg gaatagagga aagaagctaa acccaccgc cggaggatn

409

<210> 3089<211> 417<212> DNA<213> Homo sapien

gttgctggcc cttgattgct ggaaggattc cgaggaaaag gacaacaacc tgtgtgggtt
60ccctcccgac aactgaaatt gcaccataac tccaagaag aaacactccc agaaacaaaa
120ggcaagacc cctctgaaac caaagagcaa gtatcaccgc ctgacacata aacttcatga
180cctcgacatt gagacaaaat ctgcgctgt gacctacaac accactcatt taactccacc
240aacttgggtt caataaagg tcttatccca tcaacagaaa aatcattaag agaaaaatga
300atccccaaaa cgacagtctg cagatccgc aaggaatccg aagacaagtc caaagtcaac
360gacaagcaat gatggcaatg gtgacctag ttaataaaaa gcggggagaa tgtgtgg

417

<210> 3090<211> 337<212> DNA<213> Homo sapien

tttacgctg cgagattact actgaaagg cagccttgac ctctaggct aatggaatcc
60tcccaccta gcctctccag tagctggaac tacaggcatg catcaccatg cccagctgat
120tttaattttg taaaggcagg accttctat tttccccagg ctgactctta actcttggcc
180tcaagcaatc cttctcttt ggctcccaa aatgttggga ttacagatgg gagccccat
240accaccaa cacaaggatc ttataagag aatgaggcag gagagtcaga attatagaac
300gtgatgcggg aatggaagaa catgtcaaag agggacg

337

<210> 3091<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agaccacaga aggggtacggc
60tgcgagagac gacagaagg cagccccctc tgggggcacc tgagagggtt ctgtccagac
120gatcccggtg acagtgtctg tggaaatttc atgctgggca cacttgaggc ccaaagctcc
180gattcccaag aggcgccaca gcaaccatgc caggaaactg ggccaggctg aggggtggcag
240gagagggaga caggaggagg caggagggg gcagggcctg tcagatggat ccctgacaac
300catccgtctc aagtcagagg taacctata tctttgctc agcagatagg atgactttgt
360atgtagggcc ttacg

375

<210> 3092<211> 428<212> DNA<213> Homo sapien

ccactgaaac tctcggaan cccnnnncc ccatcgattc gaactcggca cgagggacag
60gtgcgggag gagctgcagg actgatgtac agaggccagg ggcccaggc aggaccacg
120ctggacttga ctccctggga tcccaggaag ggcacacct tctctacca cccgagtga
180cgctgcccc tcacagagac ctctttgccc cctggccctt gggtagccg cctccccgcc
240agcgccatc cccgccctt gtgtgcccc cgggcgttac ctgctctct ccagcgccac
300ttggcctct tctctctcc tctctccca tctctctct ccacctgcgc ctccctgtc
360tgaacttccc aacgccttc tattccttcc caactcctt tccccaaat ttcacttcc
420ttctcagg

428

<210> 3093<211> 384<212> DNA<213> Homo sapien

ggcacgagga gaggaggtct ctgctctggt ggtgatttta ctcaagaggg gatgtgaata
60ttttatatttt tgtgtggatt tctgtgtagg agtttttgta tgtatggaag aaagagaaga
120aaataactcaa atacctgagg ataatttgct caggagtcaa agtgataaac tagtttaatg
180aattaaagca tgggttttcca tgacaatttt taattacatc ctttgccaag acctctagaa
240aattacacct gctgagcaga tatcccaagg agcatgtgct attttaagat ccccttggtt
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384

<210> 3094<211> 345<212> DNA<213> Homo sapien

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120cctccccctct ggttgggagc actgaggaca gtgaggaggg cttttacctt gttaatcctt
180tccttattta gctagcttct cttttgtct agggcttctt cttgagacc tcttccatcc
240attgggctt tgaaaggact aatcagacac acacacacac acacacacac acacacacac
300actcgcatat tcatgcacat tttcttcat ttccagatcc tttag

345

<210> 3095<211> 425<212> DNA<213> Homo sapien

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120aaagtggctc aatagtcaaa gacaggttta ttttgaagaa taaacctgag aggggcttct
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240gagacagctt atgacaggct tggaaatgtt ctgtgtaagg gagaagtta tggcgggggt
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425

<210> 3096<211> 402<212> DNA<213> Homo sapien

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120gccccatccc tgcgccaggg cagggtccagg ccttggaacc cgcttagcgt aggctagtgt
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300tgggcacctt cgggaagcag cttaacgaca cggagagtga cgggcggggc cttagaggaac
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402

<210> 3097<211> 386<212> DNA<213> Homo sapien

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120gccagcccca ggagcccggt agtgtgcccc agacactgac tagcacgctg gagcacattg
180tgggccagct ggatgtcctc actcagacag tctccattct ggagcagcgg ttgacactga
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300catgatcagg ggagcaggaa tcaggagctc ggtggatttg cagggtggcag gccagggatt
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386

<210> 3098<211> 407<212> DNA<213> Homo sapien

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120ttttttgttg cccaggcgga agggcaagg ggaattttg gttaatggaa cctccccctt
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240cccccttccc aactaaattt tgttttttaa gaaaaacgg ggtttttcct tgtgggcaag
300gggggtctta aactcttgac ctaaaaggaat cggccacct gggcctccaa aaggggcgga
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407

<210> 3099<211> 426<212> DNA<213> Homo sapien

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300ttggtggtat atgcttgtta ttccagctct ttgagaggct gaggtgggag gatgatttga
360gatcaagagt ttgagactag cctaggggac acagggagac cccatctcta cataaaatta
420aaaaaa

426

<210> 3100<211> 375<212> DNA<213> Homo sapien

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240attgtaaccg ttatccccc gcttcaaat gtgccagtc cacttggtta taacgttggg
300aaaatgcagg tttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt
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375

<210> 3101<211> 388<212> DNA<213> Homo sapien

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120cccaagaaac acaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac
180gaaacacaac acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga
240aaatctatga aatactaaga agaacttgaa aataatgatc ttaaggaaac tcagtaagat
300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga
360gaaattcaac aaggatggag ataccatn

388

<210> 3102<211> 417<212> DNA<213> Homo sapien

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60agagagatga acgaggcacg gtccgtgtcc agctaaagga cagtaggact ggaagagcgt
120tgttttccaa ggtacaggat gccgcgctc ctaggagccg aaggagcggg aggccgcgta
180gaggagggga ccgtccccga gcctcgccga gcctgcggtg tagacacctc tgggtgtctag
240tggttgagga tctgttgacc gggcatggtg ggtagaagga acgctccgag cagaagaaaa
300tggtgtgtcg tgaagacatc tgcgtgtgcg ggggtgcgtg gtgcctggag atgaagctgg
360aaagagctgc tgcccaaagg gagcaaggag gaacagcggg attacgtctt ctacctg

417

<210> 3103<211> 340<212> DNA<213> Homo sapien

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120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt
180cctcttgaaa ggctttttta agaaaaaaa taatttttaa ctgtatacta gataatctga
240gattgcaaaa ggagcaccag ataaggaggg tgttaccatg ctgtgcagca gaagaaggct
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340

<210> 3104<211> 351<212> DNA<213> Homo sapien

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120ttacaacctg ctttctctgc tgaagcctta cctcctcttc agtttccctc ctgacacaa
180atcgaaaaata atatactgat agctggttag taacctcagt aagaattaaa actgagggtg
240tttactcatt ttgcctttaa atcttttct cctttttggt gaaggtttcc ctttaggaaa
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351

<210> 3105<211> 342<212> DNA<213> Homo sapien

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60atagagttgt aataggattt gggagaatag tggagtttat gtgaaattta aacaaagcat
120tgtttttgata ggctaaaagc agtgtaaggc tgtgtaaagg ggtcaacatc aggtctgaac
180tgtcaatcag acccaggggt ctgtttgctt ggaaactaca aagttaacat aatgtggga

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300ttanaaatta tacgtgtaaa ttgagtgtact tagatctgcc at

342

<210> 3106<211> 395<212> DNA<213> Homo sapien

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120gtttcccggtt ttcaagggtat tctccggcct cagcctccca agtagctggt tttataggag
180cccgcacca gaccgggcta attttttagt tttagtagag acgggggtcc accacgttgg
240ccaagctggg cttaaatgac cctcttattt ttaacttga tacctgctat tctgccaaaa
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360cagtgtctag cttactaaaa aaagagctgt atata

395

<210> 3107<211> 160<212> DNA<213> Homo sapien

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60agtatcagct ttcatgttac agaccagcc cttgtctta cctctggagt cacagctgga
120ttaactaaat taactacaag aaaggacaac tatactgcag

160

<210> 3108<211> 422<212> DNA<213> Homo sapien

cggtgtgtgc ggagactgga gaatgtatac acacattata tgggcatact tccactgtgc
60gttgatgca tttcatgaa aaaagagttg ttagcgggtc tcgagatgcc actcttaggg
120tttgggatat tgagacaggc cagtgtttac atgttttgat gggcatggt gcagcagtcc
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240tgtgggatcc agagactgaa acctgtctac acacgttgca ggggcatact aatagagtct
300attcattaca gtttgatggt atccatgtgg tgagtggatc tcttgataca tcaatccgtg
360tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag tcgttaacaa
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422

<210> 3109<211> 154<212> DNA<213> Homo sapien

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154

<210> 3110<211> 351<212> DNA<213> Homo sapien

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60tgcgagaaga cgaccgaagg gtacgggtgc gagaagacga cagaagggga ctgcggcttg
120tgccgcttcc gcattgaagg ttccctggcct gttgcagcca tgggtgcattg cacctgcgtg
180ttgttcagaa agattcccaa atgctggaaa atcctctttg ctaagctgcg tgtcttatgc
240agaacctgct attgccgatt acgcatttac aacattacag cctgaacttg gaaagatcat
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351

<210> 3111<211> 391<212> DNA<213> Homo sapien

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120caagagaaaa agaacggaca gttccatcta ttgatgtttg agaaatcaga tgagattaag
180tgagagaaga aactattgct ggaactaaat gataactaact tactaacaca aagaaggaaa
240caacacatac tgagggtctac ttgaagttag gggaggtgtt gnaagtttat cacacaccaa
300aagaagttag ggtccccgaa ccaggagaaac ggaggggtacc acaggacaat cgctgcccc
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391

<210> 3112<211> 396<212> DNA<213> Homo sapien

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60acagaagggg acggctgcga gaagacgaca gaagggggtc cggcagaacc tgcacgccc
120cggagcttat gagaggtgtg aattcatgga cccatccttg aatcagaatc aggccccact
180tctgcatcag aagccctggg tggcaccagc aagtgttttg caagcccttg agaagcagt
240tctttgagaa cgtgacctgt gcccagga ccagatttac tcccagacc cagcaggaca
300tctgcatata acacacagcc gaagtcagaa aatatatttt tgggtactaa acggagcacc

360tggagtacat gataacacac acacacacac acacac

396

<210> 3113<211> 179<212> DNA<213> Homo sapien

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60cctcaagaac cggaggcagc cccggaggct gccgcgggag gacacgccag aggaggaggc

120cggggaatgg ccgcgggtgtg gcagcaagtc ttagcagtgg acgcgaggta caacgcgta

179

<210> 3114<211> 352<212> DNA<213> Homo sapien

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60gctgcgagaa gacgacagaa ggggtacggct gcgagaagac cacagaaggg tacggctgctg

120agaagactac agaagggtac ggctgcgaga agactacaga agggtagctgc tgcgagaaga

180cgacagaagg gtacggctgc gacaagacca cttaagggtta ccgctgcgag aagacgacag

240aagggtaccg ctgcggtaga ccacagaagg gctattgcat gccagcagct atctggggcc

300ctgggacatc tgtgccagtc cttgagcgcg gagccgctcc agccaccgtt ct

352

<210> 3115<211> 333<212> DNA<213> Homo sapien

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60tgccagaaga cgacagaagg gatatactaa gagaaagcca tcccttctctc agtccagagg

120aggaatccta attaaagccaa tcaggtaatt tcattctgct ctgtcagtga ctggccatga

180ggacagatgg gaaaatctag aagcttctgg aaatatgttt ctctcttcta caccttctac

240agaagggtgtg ggaggaagag tgccctttct cctctcacc ttcctcccaa ccggtagaaa

300attcaacaga attatttttt taaatgctgg cat

333

<210> 3116<211> 346<212> DNA<213> Homo sapien

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60gcttaagttt aggaactgat taaggagcta tgactgggtga ttaagtttag gcactctgtc

120acttacctta gaactcttcc tttgtacag atcaatttag aatttagtgg aatgccatc

180ttttgttttt ttctaggaac actatgacca gccagccaat gctgtagggt tctgtgaatc

240agactattca gattattgct ttgactttgc cgtccattat ggtaaccata actactttat

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346

<210> 3117<211> 343<212> DNA<213> Homo sapien

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60attagacttc aaaaggggtg ggctcctgaa atcccgccct tttggggacc ataaccagg

120gccccaggat cactcgacce aggaattaa aaataaccct gacaaaaata aaccccgttt

180ttgaaaaaaaa ttttaaaaaa ctaacttggc ttgggggctc acccctgtag cccacctat

240taaggaggct ggggtgggag gaccacttga ttctaaaagg ttaaggctgc cttgaccctt

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343

<210> 3118<211> 403<212> DNA<213> Homo sapien

ctgggatcat gccattgcac tccagcctgt gtgatagagc gagacttctg ctcagaaaaa

60aatctaattt taaagtctta agattttgcc attcctctta ctcccaaca aatctttggg

120gaaaaaaaaa ctaccaactg tcagccatgg gcctgacggc gctaagctct ggggctccgt

180gcactgacgt ggggccagcc acagggaggc ggggatcaag tagcggaggc caggattttg

240gccacctccc gggcaagttg cagggcagtg gcgccgggag caaaagcagc atgatgcagc

300tcatgcacct ggagtccttt tatgaaaaaa cctcctcctg ggcttatcaa ggaagatgac

360actaagccag aagactgcat accagatgta ccaggcaatg aac

403

<210> 3119<211> 357<212> DNA<213> Homo sapien

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60ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga

120gaagacgaca gaaggcctc tctacaccc cagggccttg tcatcagact cctcagctc

180cagacctccc tgtgcagtaa ctccccctc aaagaattca catccttga cagcagtga

240ccttttaaac tataaagccc attctgctcc tacttttaga cgatcctacc aagtttagag

300aagaaggat ctaggattga aagtacccca taagaagata ttccgaatac catagag

357

<210> 3120<211> 404<212> DNA<213> Homo sapien

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120ccatgtgagc ttcacacagc ctgccctgtt ccatggcaca gtgctgcgct acgtgggcac
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240catcgtggc atcacttcag gcatcgcagc catcgtgttg tcacgctacc tccctagcac
300ccccctgcgc tggacagtgt ttagctcgag cgtggcctgt gctctcctt ctctgacctg
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404

<210> 3121<211> 372<212> DNA<213> Homo sapien

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120agaagacgac agaagggtac ggctgcgaga agacgacaga agggctgcag cagaggagtt
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372

<210> 3122<211> 387<212> DNA<213> Homo sapien

cggtgctgct gcattggctt tgcttgaatt ttgcttgggt tggtagtggt aattagaatg
60aataggtttt aaggccattt atgggtggctc atacctataa tcccagcact ttgggaggcc
120aaggcgaaag aatcagttga aaccaggagc tcaagaccag cctggacaac atagcgagac
180ccccgcctct ataatttttt ttttttttta aattatccaa gtggggcggc acaccctttt
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387

<210> 3123<211> 342<212> DNA<213> Homo sapien

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120ctctcgtttt taacgggata ataagtctat gtctacataa aatgatttct gccaccttaa
180atagctcact gtagaaattc atgtataaat ggaaccatat agtacatata tatactctta
240gggtctggcaa atatttgagg ttcattccata ttttatattc actcatcagt agttgtaaac
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342

<210> 3124<211> 338<212> DNA<213> Homo sapien

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120aagacgacag aaggggcttc acgacttatg gcatgtctta tttaaaaaa aaaaaggact
180aggggcaaat aacattttga ggggggtattt aattaaaaat ccatgcaggg acagctgagt
240tcgggtttta tgttgggcta atacttccta aaattattta gaacaggact ggctagaaaa
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338

<210> 3125<211> 393<212> DNA<213> Homo sapien

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60tgaagccagc agaaatgcag gaagccaacc taacaagcat ggggcttttt atgaagagga
120tagacattgc gggcctaggc cactgtgact tcatgaacag accagacca gaaagtttga
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240aatttggaat catcatgtca gagtttctc ttgatccaca actctcgaag tctatcttag
300cgtcctgtga atttgactgt gtagatgaag tgctaacaat cgcagccatg gtaacagctc
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393

<210> 3126<211> 325<212> DNA<213> Homo sapien

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120agaagacgac agaaggggac ccagaattat ctgggtcaat aaaaataatt ggcctattct

180tctataattg ttggggctaa aatgaccaa taaattagtt cacttcagta acctaaactc
240aagcattcct atgtgccttg ctctctttct tgcctctgaa tcttatacat gagtatatgc
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325

<210> 3127<211> 325<212> DNA<213> Homo sapien

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120aagaccacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaaggggtc gcgatagcca gccgcggctg
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325

<210> 3128<211> 375<212> DNA<213> Homo sapien

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240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac
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375

<210> 3129<211> 377<212> DNA<213> Homo sapien

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180acagaagggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa
240gggtacggct gctataagac gacagatggg tacggctgcg agaagacgac tgaaggggtac
300ggctgcgaga agacgacaga atgggtacggc tgcgataaga cgactgacgg gtacggctgc
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377

<210> 3130<211> 337<212> DNA<213> Homo sapien

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240aagggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga ctgaagggtta
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337

<210> 3131<211> 336<212> DNA<213> Homo sapien

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180acagaagggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa
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336

<210> 3132<211> 379<212> DNA<213> Homo sapien

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379

<210> 3133<211> 338<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcgga gaagacgaca gaagggattc aaaccaaagg caaagaagtt
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338

<210> 3134<211> 334<212> DNA<213> Homo sapien

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120gacttgcaga aaccgtggcc atttttcac acagcctttc ctatactgtg tgacctcaag
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334

<210> 3135<211> 344<212> DNA<213> Homo sapien

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120ttaattatgc taaatgacac atataattat tctttaatat ggaaatatgg tatgtagaat
180ttcatcatta tgaaatttat atatcaagga agtaataaat atgccagca gatattccct
240aaaaatttcta taccatttta gagggtttct ttctttgctt tcaccatgat gttcttccta
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344

<210> 3136<211> 353<212> DNA<213> Homo sapien

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180gaggggggct ttttaaggga aaaaataatt cctttttttt ttcataggcg ggaggggcaa
240actttgccac aaagtattta aatacctttt acccttggtc aaaaaatcct taggygacat
300aaaaccggtt ttgggcgggg gggttcccc cgtgaacca accttttggg ggg

353

<210> 3137<211> 384<212> DNA<213> Homo sapien

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120aagacgacag aagggtaccc agaattatct gggtaataa aaataattgg cctattcttc
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240gcattcctat gtgccttgct ctctttcttg cctctgaatc ttatacatga gtatatgctt
300taaatggaca atagcatatt atagatcctg agaaatcctg tgttaagtaa tccttgagat
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384

<210> 3138<211> 403<212> DNA<213> Homo sapien

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120gtggccgctc cccttaccga caggcatgcc atctcctgag gatctgcggg tgggtgctgat
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240ggaagctgca cggcctttcc gggcgcttc gagttggggc gctgatccag ctccgaacgg
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403

<210> 3139<211> 335<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag gggctcaggg ccaccaaaaga
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360ggactggatg ggcacaatga cacgggcttg gtctttgccca cc
402

<210> 3332<211> 372<212> DNA<213> Homo sapien

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240acagagcatc ctttcaagat cggggtccgg aggagcagct tcgtgctgcg cgaactttag
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360actcctggac cg

372

<210> 3333<211> 436<212> DNA<213> Homo sapien

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420ttagagtttt tcagct

436

<210> 3334<211> 377<212> DNA<213> Homo sapien

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120aagaagatga cttcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa
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240acagagcatc ctttcaagat cggggtccgg aggagcagct tcgtgctgcg cgaactttag
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt
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377

<210> 3335<211> 408<212> DNA<213> Homo sapien

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300gagaagcagc tagagctgct ggatttaatg ttttgcgatt aattcacgaa ccgtctgcag
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408

<210> 3336<211> 421<212> DNA<213> Homo sapien

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120gcaagtcaag gggactcttt gcaggcgtgt ctttagaagg gagctgtttg attgaaagga
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300agratgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaaggag cagaggaaat
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420t

421

<210> 3337<211> 455<212> DNA<213> Homo sapien

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344

<210> 3147<211> 375<212> DNA<213> Homo sapien

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240ggtacggctg cgagaagaca acagaagggt acggctgcga gaagacaaca gaaggggtacg
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375

<210> 3148<211> 373<212> DNA<213> Homo sapien

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373

<210> 3149<211> 374<212> DNA<213> Homo sapien

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240gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aaggggtacgg
300ctgcgagaag acgacagaag ggtacggctg cgagaagacg accgaaggga accggctgca
360tatctatgac atag
374

<210> 3150<211> 372<212> DNA<213> Homo sapien

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240gggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaagggtcac
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372

<210> 3151<211> 381<212> DNA<213> Homo sapien

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381

<210> 3152<211> 395<212> DNA<213> Homo sapien

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395

<210> 3153<211> 374<212> DNA<213> Homo sapien

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374

<210> 3154<211> 375<212> DNA<213> Homo sapien

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375

<210> 3155<211> 410<212> DNA<213> Homo sapien

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410

<210> 3156<211> 376<212> DNA<213> Homo sapien

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376

<210> 3157<211> 411<212> DNA<213> Homo sapien

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411

<210> 3158<211> 384<212> DNA<213> Homo sapien

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384

<210> 3159<211> 439<212> DNA<213> Homo sapien

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439

<210> 3160<211> 373<212> DNA<213> Homo sapien

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373

<210> 3161<211> 369<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa
240gggtacgcct gcgagcagac gacagaaggg ggagcctcat ctgcaatgta ggggccggcg
300gacctgtctc agcagctggt gctgcaccag caggagggtc tgcctctctc actgctgctg
360ctccagctg

369

<210> 3162<211> 421<212> DNA<213> Homo sapien

ggcagcagga gagagagaga gatctagttt cgagagcagg cttttttttt tttttttttt
60aacctcgga aaaaattttt ttgaaaaaac ccccttaat tggctactgg gggatttaatt
120tcccgggatt tttgggacgc ctttggttg aaagggggaa aagtttaaat ttatggaacc
180aacctgggg cctatttggg aaatcaggcc cttggggcaa aacagaaaaa atcttttgcc
240ccccaggatc cgggattccc tggggaaaaa aaaatcaggg aaaaaaaccc ccccttcag
300ggaaggtctt tgtacaaaag ggaaagttt aaaaaaagg gcgggggaaa aaaaaacgga
360ggagggacga ggtttcagga aaatgccagg gaagggaagg ccctggaaa aaaccttttt
420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

ggagaaagggt gggcatagta caacccccag gactgtgcct tccccaggac accctcatcc
60ccccagtcg ggatatcttg ctgactgggt cacccttctt cacaggacac acacacaggg
120ccatgaaaaac ggccttcttc aaagatccca cggctcgggc ctcccttccg gggccacctt
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240aggaacccca aggtcagggc accgtctacc ctggctcagc tcgtcaccga ccgtctgaag
300cccttctct caccaaagggt tcggagctgg cggngggctg aggtgttcac gaacagtcce
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398

<210> 3164<211> 396<212> DNA<213> Homo sapien

gacctgtgt gccattcatg tgcaccatac tatacactgc aggattcccc tgggtgggcaa
60actgtgtgt ggaaggag ctgtaagtaa acaaatggta atattacctc tggaaagtcac
120tttagcgaca aagggcctgc ccacagaaat tactacaatt gtgtcaaaac ttgctatact
180taagctggga atgttagaga aaactccctg acagcctgtg atccattttt cacagcttct
240tgtactagac accctaatag atatgtcgt gcttgaagga ctctcaaaat ggacaagcca
300aatcacacct tctaataatga acccagtcct ttcaacctct ccatccaaaa aggcttgact

360gaaaaatata ttaagttctt ggacttctgg gactag

396

<210> 3165<211> 408<212> DNA<213> Homo sapien

ggcacgaggt gatccaccac ctcgccctcc caaagtgttg agatgacagg caccagccac
60caggcccagc ctgagtggta tttcttttag ggaccaggtg gactttaaaa cgagggttaag
120agaaaagcca gtgtctttct gaggtaaata atttctgcca ggaaacttcc cagccccacc
180agcagccacc ctaaaaaaaaa tcaactcgtgt cccagggac ttctaaagct tggggctcca
240ggaaatcatc cagtagaggt ggagattcag agatttcttg aagccaggga catgctccta
300actcctttcc cattaaaggt gttagaatag accagagggt gtcccttttc cacagtaatg
360ggatcggtg gtgtgccttc agggaggaag agggaggtgg tcaagctt

408

<210> 3166<211> 457<212> DNA<213> Homo sapien

tgtaggatcc catcgactcg aattccgttg ctgtcgacct gcttctgggt cgggtgtttg
60tacgtagcac agcaactccc tcgctcgat ctattgaaag tcagccctcg acacaaggtt
120ttgtccgaca gcaacggttg aataatatat accatgctta cgctagtcaa gagaaagcta
180gagtagaat actaatatca ggcaagcat atttcagagt taaacacaac atttttccac
240tatattgagt caaagtatc gagaacactc tctttactct gctcaaagtt acagagttct
300tttgtataaa cattagaaca cttatcacag cctgccaata atggagaata attccatgtt
360gtatactata caacactctt actaaagtcc attagacaga aatatgtagc atttgagaca
420ccttccaatt ataaaactct atgcagacaa aaattaa

457

<210> 3167<211> 397<212> DNA<213> Homo sapien

gctgctcttg acctctgtc tgcggctgtt ttccattgga gtagaggctc ctectgtctt
60gtcctgctg tggagggaag caaaccttcc cctggaccag agagaggaga aagcggagac
120aggtagcaac gctgtggact ggtgatgaca ggctcttcag ctccctgcaa gtgaccgggc
180ctggggaaca gggcatggca caggcacaca ggacccccca gccaggggt gcccccagcc
240agccccgtgt gttcaagctg gttctcctgg gaagtggctc cgtgggtaag tccagcttgg
300ctcttcggta cgtgaagaac gacttcaaga gtatcctgcc tacggtgggc tgtgcgttct
360tcacaaagggt ggtggatgtg ggtgccacct ctctgag

397

<210> 3168<211> 334<212> DNA<213> Homo sapien

tacggctcgc agaagacgac agaagggtgg gcttgacatg atatttatta tgttatgata
60tattcctttt atacttaatt tgttgagagt tgctttttaa ttatgaaagg ttatgaactt
120gtttttattat tagttttgtc aaaggctctt tctacatcta ttcaactgat catatgattt
180tatctttcat ttgttaatg tgctatatca tttttataaa ttgcatatg ttgaaacagt
240cttgcatatc agagataaat cccatttgat catgngtat gatcctttta atgtgctgtt
300aaattcagct tgataatatt ttgttaacaa ttg

334

<210> 3169<211> 387<212> DNA<213> Homo sapien

ggcacgaggc gccgtctccc aggagcagct gcgcaactg caggaacggg tggaaagctg
60tgccaaggag gccgagaaga caaaagctca gtatgagcag acgctggcag agctgcatcg
120ctacactcca cgctacatgg aggacatgga acaggccttt gagacctgcc aggccgccga
180gcgccagcgg ctctttttct tcaaggatat gctgtcacc ttacaccagc acctggacct
240ttccagcagt gagaagttcc atgaactcca ccgtgacttg caccagggca ttgaggcagc
300cagtgcgaa aaggatctgc gctgggtggc cagcaccac gggccaggca tggccatgaa
360ctggccacag ttcgaggagt ggtcctn

387

<210> 3170<211> 408<212> DNA<213> Homo sapien

ggcacgaggt ttgcttagct gtcaacaaaa agaaacctg aaggagcatt tggaaagtaa
60tttgaggggt tttttttgt ttttttttt tgggaggggg gaacggcccc caaaaggggg
120gggggggcaa aatttttaag aaaaaagaac ctccccggtt ttttttttaa gccacaagg
180ggctgggttt ttccaccgg cggttttaatt tttaaaaaaa tttaaaaaaa caaaacaaag
240ggggggtttt ctaatttggg gaggaacccc cccttggctc aaaagaaaaa ggcgttaaaa
300aagaattcca aaaggaaaaac cttggggggg gcccaacggg cccgtgccc aataaacttt
360tttctgggga acgggagggg gagaacctcc cccccctcc caaggcgc

408

<210> 3171<211> 405<212> DNA<213> Homo sapien

attcgaattc cggtgctgtc gggtgttttg ttttgttttt agagacaggg tcttgctctg
60tcacccagac tggagtacaa tgacacaatc atagctcact gcagccttta actactgggc
120tcaagacatc ctctgcttc agcctccaga gagttgggac cataggtgca caccaccaca
180cctagctaatt ttttggggga ggtcttgcta tgttgcccag gctggctctg aactcctggg
240ctcatgcaat cctcctgcct tggcctccca aagcgctagg attagagggtg tgagccgctg
300caccctgccc cagtacaatc tttttgaac tcaaatTTTT gctgacatct gagtgcacac
360accacagtgt aaattatgcc ttatcagaat ctaaatgaaa atagg

405

<210> 3172<211> 400<212> DNA<213> Homo sapien

cggtgctgtc gacgacctgc ttctgggtct gggtttcgta cgtagcagag cagctccctc
60gctgcgatct attgaaagac agcctccgac acaagggttt ggacactttt aagaaacaaa
120gatagttttc tgaacattct gtgtcctgcc tgtctcctgt tgattcgcag atgtaatatc
180gagtattcat caactgggtc caatttctctg aacacattca ctgtatccct cattgtaacc
240gttatccccc tgcctcaaaa tgtgccaggtt ccacttggtg ataacgttgg gaaaatgcag
300gtttatgaat gatgtggact ttttagaggat caaatcaata aattggattt tttatttttt
360gagggcagct gccctcactt gtttaaataa agaattctac

400

<210> 3173<211> 478<212> DNA<213> Homo sapien

gcaggaatcc ccacgannt tcgaattccg ggcgctcgtc gagtccatta tatacantgt
60gacgtgccag cgtgatcata acttatgagt agcagacatt ggatagcagt attcttttctg
120tactagggtg tggacataac ccgcactcta gtaatgcgat cgccttataa ctgtcctat
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240agcaaacatt tctagggttag acaaccaacg aattgaatta caattttatg ttgaagaggc
300attattaaca tgtgtagagg ggttaagaaa gccaccttgt taaaaattt ttaatttcca
360aaataatcta tattaatga gggtttctga tctgtacttt gtgttttagct acctttttat
420atttaaaaaa ttaaaaatga aaattacgtt cttacaagct taaagcttga tttgatct

478

<210> 3174<211> 412<212> DNA<213> Homo sapien

atcgattcga attccgttgc tgcggctga ttctcttccg ctatcgggtga ctgggctttc
60cctatgttgc ccagggtcgt ctacagactcc tgggctcaaa agatcctcat cttctcaagt
120ggctgaatat acagctccca gcgaccatgc ctggctgaat gaagagcttt gagattttga
180agaaacagga accatgaaat ttgctttgca actgtttgca acctttaagg aagactgaaa
240aggcattcct gaagcatgtg ccttcagccg ctacaagagc agaagcagtg ggcattggat
300ggagctgagt acaggaccat acaggctaatt tgcaccgga caggaatcgg atataacatt
360atctgggtac ccatggccag ctgtgacttc tccatccgca cctacaccta tg

412

<210> 3175<211> 171<212> DNA<213> Homo sapien

taacgcata ngcatacaca cgggctgttg actgggtggg gctgggtgtg ctgctctacg
60agatgctggg gggtagtgcc ccgttcccag gggacacaga ggaagagggtg tttgactgca
120tcgcaacatg gacgccccct accccggctt tctgtcgggtg caagggttg a

171

<210> 3176<211> 384<212> DNA<213> Homo sapien

ggcacgagct attgagtgtc attcagaata ggaacaagg tctaatagaa aaagatggca
60atttgaagta gctataaaat tagactaatc tacattgctt ttctcctgca gagtctaata
120ccttttatgc tttgataatt agcagtttgt ctacttggtc actaggaatg aaactacatg
180gtaaataggct taacagggtg aatagccac ttactcctga atctttaagc atttgtgcat
240ttgaaaaatg cttttcgcga tcttctgctg gggattacag gcatgagcca ctgtgcctga
300cctcccatat gtaaaagtgt ctaaagggtt ttttttggtt ataaaaggaa aatttttgct
360taagtttgaa ggataggtaa aatt

384

<210> 3177<211> 393<212> DNA<213> Homo sapien

cggtgctgtc ggcaagatgc tgctattgaa gaggtagaga tggagattt tgatgcaaat
60atcgaagaac agaaagaaga aaagaaagat gccaggaag aggaagcga actgggttac
120attccgaaaa gcaaatggga gatggacaca tctgaggcaa agctagacaa gttggatggc
180ttgaggactg gtactaaaag gaaacgtgac tgggaggcca ttgccagcag aatggaggat

240tatcttcagc tccccgatga ttatgatact cgtgcttctg agcctgggaa gaagagggtc
300agatgggcag acctggaaga gaagaaggat gcagatagga aaagggccat aggttttgtg
360gtcggacaga ctgattgtga gaagatcaca gat

393

<210> 3178<211> 389<212> DNA<213> Homo sapien

cggtgctgtc ggtttgagaa ttccaggett ctgcagcctc caaaagggtgt tcttctctat
60gggctccag gctgtggtaa aacgttgatt gccaaaggcca cagccaaaga agcaggctgt
120cgatttatta accttcagcc ttcgacactg accgataagt ggtatggaga atctcagaaa
180ttggctgctg ctgtcttctc ccttgccata aagctacaac catccatcat ctttatagat
240gaaatagact cctttctacg aaaccgttca agttctgacc atgaagctac agccatgatg
300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccagggtcata
360gtaatgggag ctaccaatcg tcttcagga

389

<210> 3179<211> 426<212> DNA<213> Homo sapien

ggcacgaggg cggaggttgc agtgagccga gatcatgcca ttgcactcca gcctgggtga
60cagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaag ggggttccca tattttgggg
120ggtataggaa tatatggggg ggggtctatt tcttttttta tataaccttc cccccgggat
180ttttgggttt aaaagttccg gttaccccca aaccaaagt ggttttttac ctttggagtt
240tttttttttg tccccctttt tcttttcaaa gggggaaagc ccccaaatac cagggtcttt
300aggagggggg gtttagccaa acccacccca gggcaaattt ttggggggaa acctgaaagg
360gggaaaatat ttggggccct tgccttttgt ccaaccatcc tgaaaaaac ccactttgtt
420tttaaa

426

<210> 3180<211> 383<212> DNA<213> Homo sapien

cgatgtgac ggccgttgt ccccgagtc cccgacggga gcgccatggc ccagccgccg
60cccagctgg agggggacga ctgtctcccc gcgtaccgac acctcttctg tccggacact
120gctgcgggac aaagtggcct tcatcacagg aggcggctct gggattgggt tccggattgc
180tgagattttc atgcgggtgag actgctctgt gtcccttccc tgctcctgc ttctcctgc
240ccgggccctg ctggatgccc gacccttga aagatgttgg tgggaggtag atgtccctg
300ctcacctacc cgacaggatc cagggtgctg ccagagggac tggggagcgg tcgaggattg
360ccctggggga gtcaggactt caa

383

<210> 3181<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggagatttgc ttattattgt tgtactgctg ccatttttat tgggtttga
60ttattggaat ggtgcgcata ttgtactcc ttctacttgc tttaaaaagc agagttagat
120ttttgcacat taaaaaatc agtattaatt aaacattact tattctacct tcttttttg
180caaggaggac aaatacgcaa tgttggaata ccttgatgg atatctctc tttaaaaaa
240tgtaaagata atttggtctt gagggtttaa acggttgata atgcctctac aacaacaaga
300aaaaagataa aatactagga tagaatcatg gtgggcacag tggcttctca ngaggctgag
360gaggagggtt tg

372

<210> 3182<211> 372<212> DNA<213> Homo sapien

ggcacgagat taacctcaga aatctgtct ggctggcaga tttcaagtaa aaaaaaaaaa
60aggggggggtg ggggggaccc tttttttct agtggccttt agggaaaaaa aatttaactt
120tttttttggg tgggcccata tttttaagaa aaaatctcca attggtttcc ctttgaacc
180gggtaaaggc taatacttgc cactttttaa ggaggggggg aaaacccccg ggtttttttt
240ttaaggaaa ccccttgttg gggggcgccc cccttaaggg gggggggggg gttttttttc
300tggcccttt tggggatgc aggggtactt ttgcaaacct tccggggggg tttaatggga
360aaccactacc cg

372

<210> 3183<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacaccag tgtggctacc acgttcggct caaactggag
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120caggacaacc tgaatgtggt ggccggagtc ttcatgggca tcgccctcct ccagatcttt
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240aaatggaatg atgactatga aaaccactgt gttacgccc caatttgcga ggtcctgtcc

300acgggtggggc ctcaacagaa ctctctgact ggggcccctg gcccggaccc acccagacga
360catgttttct ttggcctggg tggatatag
389

<210> 3184<211> 451<212> DNA<213> Homo sapien

ngacatcctt tacggccant cgnntttttn tgaggaaccc atgcgatgcy aattccgttg
60ctgtcggaaa atcagaaaga gtttttattt tactagtgat ttacaagtat gccctggaca
120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt
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240aagaagtga ggcgaatcca cacaattatg atgcattggt tgattacttg cgcttggtag
300aaagtgcgc agaagctgaa gccgtgagag aagtctatga aaggggccatt gccaatgtcc
360caccattca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac
420tctatgaaga attggaggca aaggatcctg a
451

<210> 3185<211> 409<212> DNA<213> Homo sapien

ggcacgagaa caaagccacc caaactgctt cttctgtcac agattcgttc ccacctgcac
60aggagcgc ctcactggac gccggagccc gacacacctc tcgattactg ctatgtgcgg
120ccaaatcaca tcccaatgat caactccatg tgtcaggagt ttttttggcc tggcattgac
180ctgtctgagt gtctgcagta cccagacttc agtgatgggt ctctttataa aaaagtcate
240attgcctttg gcttcattggc tctgtatgtg aaatacaatg aagcttacct ttcatttttg
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt
360cagacctgca tgggcaagga cgtaacctt cactgatgac caagcaacg
409

<210> 3186<211> 396<212> DNA<213> Homo sapien

ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcacctagg cttagagctta
60tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggaggaaa aatactcgaa
120ttgcaagggt agggcacagt ctgtttatat tgggttgaaat taactcttct cccgatgcca
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa
240gaatattaag ggaccaggcc cctataatta ggcctaata tagcctgttg ttgaaaagg
300gcattgagga cattcatcct gcctggcact gtgccctaga cctgctctcc tgggtagtgg
360ggccctccat tgcaacagag gtgtgggtgg gcctgg
396

<210> 3187<211> 412<212> DNA<213> Homo sapien

ggcacgaggg agggcgctgc cgtcgcgcc cttgggtttt ctgttccctt tttttttt
60tttttaaaac tcttggttaa aaccccccca cctttaaccc caaaaaaat taattacaac
120cggggccctt tggcccaaaa atggccttaa cccctaaaaa tggaaattt ttgtcctaaa
180gaaccccccc cccgggaaaa aacggggggc cttttttt gcaaaagggg tttaatccgg
240accacttgt tttttgcaag gccggcttgc gtttgcccat tggggaattg gggggaaatt
300gcccttgtct tgtttggaag ggggggggtt atttccctgg gaaataaagg gtgggttctt
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attaaacttg an
412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga
60tggagagaga gagcccgaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga
120gagagagaga gagagagatg gagcgatgga ctgtgacagc ctacaggagg aaaagcacgg
180cttacagaag gatgtttcct tcttgaggaa gcagcactat tagcactctg agtcaagatg
240agtgggaaac cctctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaaccggct
300ctcgccctt taaaactatg gggggccctt ttccttttat ccgggggggg ggaacacctt
360gttgggttgg cccacccctt ttttaattggc cgggaaaaat agtt
404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac cagcaaaaga aggaggagct gctgaatgcc
60atgggtggcaa aactggggaa cggggaggac cactcccc aggactcctt tgaaggcgtg
120gacgaggacg agtgggacta gcctgcgcc cgtcacctc cactcacct gtgctgccac
180ttcctagtgc acacctcacg gctcatcctc aagctggaag atacctctt ggccccggca
240catgtcacc ctgcactcct gccttccctg gggcacttcc acatcctctg ggctctggc
300agttcccagg gactgttttc acctctgctg tctn

334

<210> 3190<211> 393<212> DNA<213> Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaagtctc acaccaatga
180gggtggaggca attaagaaga tgcctatag tgggaagcag acccatgagt tggatgagga
240atattgctta ggctcagcct ctgatttatt agaagttcat aaaaaaccac ttcagggaagt
300ggagatcgct gccattactc atggagcctt gcatggacta gcctacctac attctcatgc
360attgattcat agggatatta aagcaggaaa tat

393

<210> 3191<211> 385<212> DNA<213> Homo sapien

ggcacgagga aagctagcag attcttggct tagtattact aataggcagg attgtacaat
60gagcaactat cagattatct ctttcagtgg ttcttatggc atctaaatta ctgaataaat
120tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaata atgctcagca
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataaatact
240attaacaac ttagctatat ttttttaag tattaaatta tatgtcaagc agctaaagt
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa
360atttcttctt attttggtac ttgga

385

<210> 3192<211> 397<212> DNA<213> Homo sapien

cggcgccctc actgctatgg gccgcaacaa gaagaagaag cgagatgggt acgaccggcg
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120caagcggaag gtcgagcgaa agaaggcagc cattgaggag attaagcagc ggctgaaaga
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag
240agaagaggct ctggaggagg cagatgagct ggaccggttg gtgacagcaa agacggagtc
300ggtgcagtat gaccacccca accacacagt caccgtgacc accatcagtg acctggacct
360ctcgggggcc cggctgctcg ggctgacccc acctgag

397

<210> 3193<211> 395<212> DNA<213> Homo sapien

ggcacgagac cgagctcaca ctgcagagat tcctcacttg agcttgcaat gagggacagc
60cttcatactt gcttgactct ttaatacaca cgggagcact cacaccggac atactccctc
120tgcattgttg gcacgcgcaa aaccattcat tagtgttttc tttctctcga ccacatgaaa
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatgcgggc
300agtgtggcag atccttcaac tgttgagct gcttctgata tcatggtggg actcacactg
360gagagaaacc ctatgaatgc aagcaatgtg gaaan

395

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352

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394

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374

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401

<210> 3198<211> 392<212> DNA<213> Homo sapien

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392

<210> 3199<211> 134<212> DNA<213> Homo sapien

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134

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393

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452

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